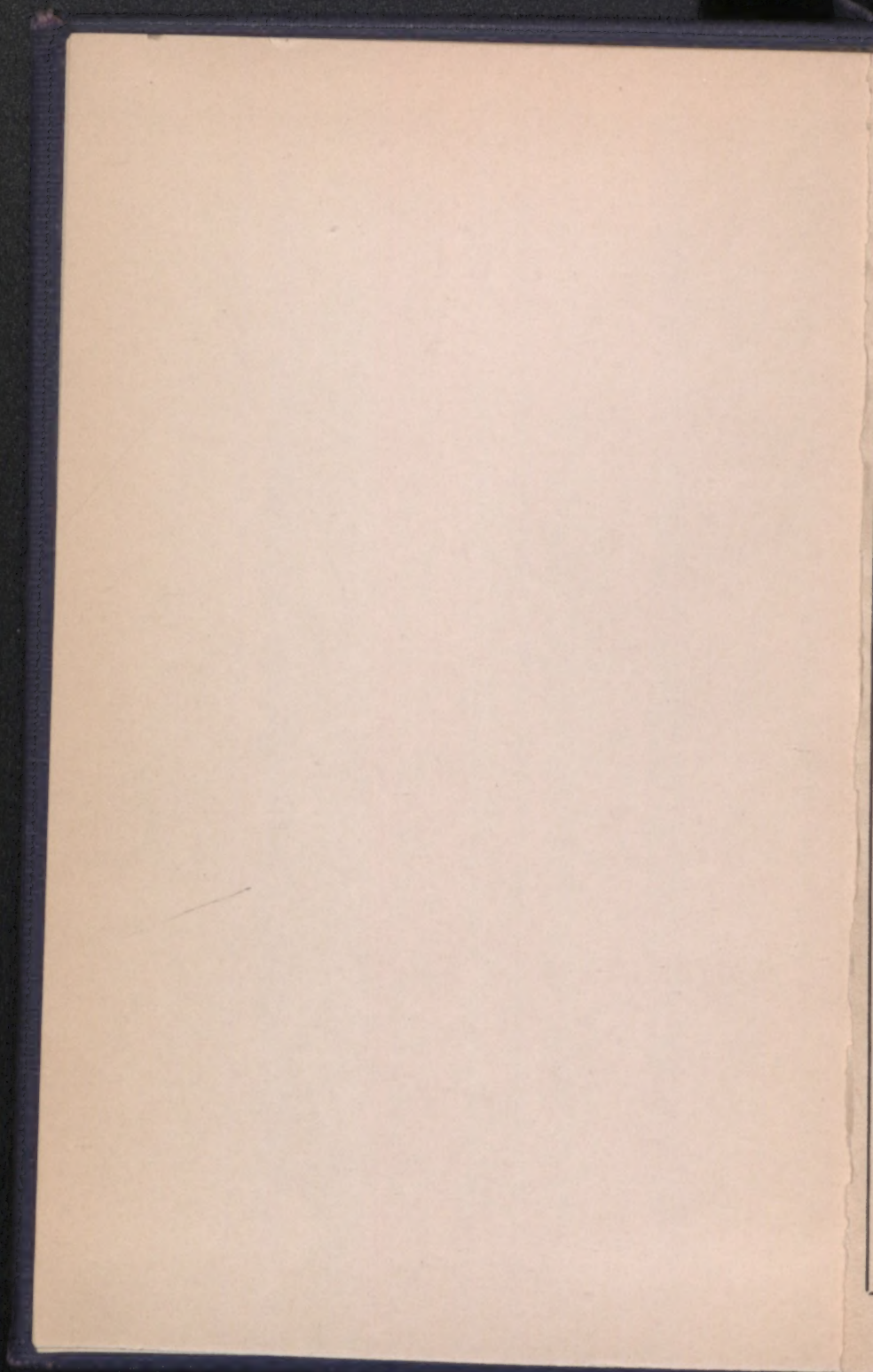


THE
GEORGE
WASHINGTON
UNIVERSITY

CATALOGUE



THE
GEORGE
WASHINGTON
UNIVERSITY

REPORT OF THE COMPTROLLER

For the year ended August 31, 1931



WASHINGTON, D. C.

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REPORT OF THE COMPTROLLER

October 8, 1931.

THE BOARD OF TRUSTEES OF THE GEORGE WASHINGTON UNIVERSITY:

GENTLEMEN: I have the honor to submit herewith a report, verified by R. G. Rankin and Company, Certified Public Accountants, showing in detail the financial operations of the University for the fiscal year ended August 31, 1931, and exhibit ing the state of the Trust Funds, as required by the By-Laws of the University.

The Total Net Resources of the University as at August 31, 1931, were \$3,274,-582.41, a gain for the year of \$242,923.13, as shown in the following summary of Assets and Liabilities: See statement attached.

Endowment and Trust Funds were increased during the year \$113,746.77 as follows: 1923-24 Campaign Fund, \$620.75; Scottish Rite Endowment Fund, \$100,000.00; Lillian Young Herron Scholarship Fund, \$690.00; Addie Sanders Scholarship Fund, \$56.56; Jacques Medical School Fund, \$268.71; Mayer Hospital Fund, \$352.96; D. of C. D.A.R. Loan Fund, \$195.67; Addie Sanders Hospital Fund, \$489.03; Engineering Club Room Fund, \$5.38; Student Loan Fund, \$473.38; Administrative Reserve Fund, \$3,849.07; School of Pharmacy Equipment Fund, \$374.35; Reserve for Protection of Investments, \$432.29; Depew Oratory Fund, \$3,000.00; Freda Kuhlbank Hospital Fund, \$640.96; Student Union Furnishings Fund, \$6,628.17; George Washington Statue Fund, \$505.35; Maury Memorial Fund, \$101.80; Publications Reserve Fund, \$437.73; Lafayette Memorial Fund, \$101.17; General Building Fund, \$18,964.28; Class of 1929 Women Unit No. 3 Fund, \$12.72; Unit No. 3 Fund, \$2,012.94; Medical Building Fund, \$5.93, a gross increase of \$140,219.20; from which was deducted a decrease in Executory Trust Funds as follows: National League of Masonic Clubs Fund, \$7,000.00; Swisher Book Fund, \$101.50; Guggenheim Fund, \$1,597.78; Plumbing and Heating Institute Fund, \$351.68; Harris Architecture Fund, \$50.00; and the following funds were consolidated with the General Building Fund: Law School Building Fund, \$283.53; Chemistry Building Fund, \$174.36; Denman Law School Fund, \$9,295.10; Jacques Law School Fund, \$7,618.48, a total decrease of \$26,472.43.

New Trust Funds (included in the preceding paragraph) were received as follows: Freda Kuhlbank Hospital Fund, \$618.22; Student Union Furnishings Fund, \$6,628.17; George Washington Statue Fund, \$500.00.

Real Estate is valued at \$1,925,580.15, an increase of \$104,368.61. The increase is accounted for as follows:

Purchase of Sherman Avenue Property.....	\$26,315.47
Improvement of Mechanical Laboratory.....	9,061.72
Purchase of 700 20th St., N.W.....	17,559.40
Purchase of 702 20th St., N.W.....	14,555.10
Purchase of 714 20th St., N.W.....	14,755.10
Purchase of 714 21st St., N.W.....	40,098.20
Improvement of Botany Greenhouse.....	1,209.88

Total Real Estate Acquired..... \$123,554.87

LESS

23rd and Littlewater Streets Property, sold to
the American Pharmaceutical Association.. 19,186.26

\$104,368.61

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REPORT OF THE COMPTROLLER

Property under lease used for educational purposes:

2022 G Street, N.W. at \$1,800.00 per annum

During the year all Temporary Investments of General Funds were disposed of by sale to our Endowment Funds.

Notes Payable secured by mortgages in the amount of \$409,990.00 are outstanding against the General Funds of the University, an increase over the previous year of \$3,620.00.

Temporary loans due the Riggs National Bank at the close of the year amount to \$90,000.00, a decrease of \$60,000.00 over the preceding year, are shown as follows:

Loans secured	\$197,000.00
Loans repaid	257,000.00

Notes Payable against the Lewis Endowment Fund amount to \$45,000.00. The property bequeathed by Dr. Samuel E. Lewis is valued at \$148,304.15. To clear the estate and enable the Executor to transfer the property to the University, the Board of Trustees authorized the placing of the \$45,000.00 mortgage, leaving a net valuation of the Lewis Endowment Fund of \$103,304.15.

Laboratory Equipment and Furniture are valued, after depreciation, at \$233,201.52, an increase of \$7,691.50.

Books in the Libraries are valued, after depreciation at \$85,909.03, an increase of \$4,412.22.

Contributions other than those reported under Trust Fund increases were received during the year as follows: Columbian Women for Salary of Alumni Secretary, \$100.00.

Unexpended Endowment Income Cash was invested as follows: \$25,000 par value, Pittsburgh and West Virginia Railway Company, 4½% bonds, due 1959, \$23,500.00 plus accrued interest on same of \$343.75, a total of \$23,843.75.

Real Estate at 23rd and Littlewater Streets, N.W., having a book value of \$19,186.26, was sold to the American Pharmaceutical Association for \$71,336.00, payment being received as follows: Cash, \$34,936.00; note dated January 19, 1931, due January 19, 1936, at 5½%, \$36,400.00.

Accounts Receivable from students amount to \$4,970.58 or .00495 per cent of the total student charges at the close of the fiscal year, August 31, 1931, the lowest deficiency ever reported.

Cash Receipts and Payments for the fiscal year are summarized as follows:

Cash on Hand, August 31, 1930	\$ 37,129.39
Cash Received	1,491,195.50
	<hr/>
	\$1,528,324.89
Cash Disbursed	1,468,900.52
	<hr/>
Cash on Hand, August 31, 1931	\$ 59,424.37

A statement in detail of Cash Receipts and Payments for the fiscal year is shown in Schedule No. 24 of this report.

CHARLES W. HOLMES,
Comptroller.

GENERAL ACCOUNTS

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COMPARATIVE SUMMARY OF ASSETS AND LIABILITIES, 1929-30 AND 1930-31

Assets

	1929-30	1930-31	Increase	Decrease	Net Increase
Cash, General Funds....	\$ 41,669.39	\$ 63,264.37	\$ 21,594.98		
Cash, Endowment Income	40,516.74	20,731.84		\$ 19,784.90	
Endowment and Trust Funds Assets.....	1,605,861.36	1,719,608.13	113,746.77		
Endowment Income Assets.....		23,500.00	23,500.00		
Endowment Income, Interest Receivable.....		343.75	343.75		
Real Estate, exclusive of Endowment Funds....	1,821,211.54	1,925,580.15	104,368.61		
Library Books.....	81,496.81	85,909.03	4,412.22		
Equipment.....	225,510.02	233,201.52	7,691.50		
Perpetual Insurance Deposits.....	1,406.25	1,406.25			
Advanced to University Store.....	6,696.62	6,696.62			
Advanced to Duplicating Bureau.....	1,468.31	1,468.31			
Interest in Sherman Avenue Property.....	2,675.10			2,675.10	
Temporary Investments..	102,400.00			102,400.00	
Notes Receivable.....		36,400.00	36,400.00		
	<u>\$3,930,912.14</u>	<u>\$4,118,109.97</u>	<u>\$312,057.83</u>	<u>\$124,860.00</u>	<u>\$187,197.83</u>

Liabilities

					Net Decrease
Trust Notes Payable....	\$ 406,370.00	\$ 409,990.00	\$ 3,620.00		
Temporary Loans Payable.....	150,000.00	90,000.00		\$ 60,000.00	
Prepaid Tuition.....	8,528.50	12,176.00	3,647.50		
Income Reserved for Specific Purposes.....	992.80			992.80	
Liability to Endowment Funds.....	333,361.56	331,361.56		2,000.00	
	<u>\$ 899,252.86</u>	<u>\$ 843,527.56</u>	<u>\$ 7,267.50</u>	<u>\$ 62,992.80</u>	<u>\$ 55,725.30</u>
Total Net Resources....	<u>\$3,031,659.28</u>	<u>\$3,274,582.41</u>			
Increase in Net Resources, 1930-31.....	<u>242,923.13</u>				

October 5, 1931.

AUDITOR'S CERTIFICATE

We have examined the accounts and records of THE GEORGE WASHINGTON UNIVERSITY for the year ended August 31, 1931, and herewith submit the annexed statements with the following comments:

Cash was verified by actual count and by certificates from the depositories. Notes Receivable and Securities were verified by inspection and are stated at cost. Additions to Land, Buildings and Equipment were examined and found to be proper charges thereto. Trust Notes Payable were verified by correspondence with the holders thereof. All other Balance Sheet accounts are stated in accordance with the books of the University.

The annexed Income and Expense accounts and the statement of Cash Receipts and Payments were prepared from the accounts of the University after audit of the records pertaining thereto.

We hereby certify that, in our opinion, the annexed Balance Sheet as compiled from the accounts of the University and subject to the foregoing comments, reflects the true financial condition of The George Washington University as at August 31, 1931 and that the relative Income and Expense Accounts show the operating results for the year ended on that date.

Respectfully submitted,

R. G. RANKIN & Co.,
Certified Public Accountants.

GENERAL ACCOUNTS

REPORT OF THE COMPTROLLER

THE GEORGE WASHINGTON UNIVERSITY
EXHIBIT "A"—BALANCE SHEET
As at August 31, 1931

Trust Funds and Investments

<i>Assets</i>		<i>Liabilities</i>	
<i>Investments:</i>		<i>Trust Funds:</i>	
General Endowment Funds, Schedule No. 27.....	\$1,618,787.81	General Endowment Funds, Schedule No. 25.....	\$1,586,565.14
Cash on Hand Awaiting Investment.....	12,777.33	Trust Notes Payable—Lewis Properties..	45,000.00
	<u>\$1,631,565.14</u>		<u>\$1,631,565.14</u>
Executory Trust Funds, Schedule No. 28 \$	112,515.57	Executory Trust Funds, Schedule No. 26.....	133,042.99
Cash on Hand Awaiting Investment.....	20,527.42	Unexpended Income, Specific Endowment Funds, Schedule No. 29.....	44,575.59
	<u>\$20,731.84</u>		
Cash on Hand, Unexpended Income.....			
Investments—\$25,000 Pittsburgh and West Virginia Railway Co. 4½% due 1959.....	23,500.00		
Accrued interest on above.....	343.75		
	<u>44,575.59</u>		
	<u>\$1,809,183.72</u>		<u>\$1,809,183.72</u>
<i>Plant Assets:</i>		<i>General Funds</i>	
Land, Educational and Miscellaneous Buildings, Schedule No. 1.....	\$1,925,580.15	Trust Notes Payable, Schedule No. 3.....	\$409,990.00
Equipment, Schedule No. 2.....	233,201.52	Medical School Fees Paid in Advance.....	12,176.00
Library Books, Schedule No. 2.....	85,909.03	Liability to Endowment Funds Principal Secured by Deed of Trust dated December 1, 1910, on Medical and Hospital Lands and Buildings 1335-39 and 1341 H St., N.W.....	319,910.24
	<u>\$2,244,690.70</u>	Liability to Executory Trust Funds Principal: To Denman Fund—Secured by General Property of The University.....	7,179.32
Withdrawal Value of Perpetual Insurance.....	1,466.25	Liability to Endowment Funds Income: To Specific Endowment Fund Income which was applied to current expense prior to August 31, 1910.....	4,272.00
Loan Account—University Store.....	6,696.62	Loans Payable—Riggs National Bank 5%, due September 30, 1931.....	600,000.00
Equipment Advanced to Duplicating Bureau.....	1,468.31	Surplus—Exhibit "C".....	1,510,398.69
Notes Receivable—American Pharmaceutical Association... Cash:	36,400.00		
On Deposit.....	\$59,424.37		
Petty Cash Fund.....	3,840.00		
	<u>63,264.37</u>		<u>\$2,353,926.25</u>
	<u>\$2,353,926.25</u>		

GENERAL ACCOUNTS

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EXHIBIT "B"

THE GEORGE WASHINGTON UNIVERSITY REVENUE ACCOUNT

For the Year Ended August 31, 1931.

Income:

Columbian College		
Junior College		
The School of Government	Schedule No. 14	\$132,710.27
The Division of Special and Extension Students		
The School of Medicine	15	1,593.52
The Law School	16	41,510.67
The School of Engineering	17	12,658.89
The Graduate School of Letters and Sciences	18	4,768.91
The School of Pharmacy	19	3,003.41
The School of Education	20	17,384.12
The Division of Library Science	21	6,748.02
The Summer Sessions	22	9,258.97
		<hr/>

\$229,636.78

The Division of Fine Arts, Net Loss—Schedule No. 23..... 2,290.89

Net Income from Schools	\$227,345.89
Fees—Previous Years	2,076.51
University Fees	75,213.00
Junior Certificates	309.00
Graduation Fees	13,692.00
Breakage Deposits	4,838.86
Endowment Funds Income for General Purposes, Schedule No. 29	13,050.54

Other Income:

Interest on Bank Deposits	\$ 1,168.10
Interest on Temporary Investments	5,340.96
Discount Received	1,902.86
Student Activities—University Hatchet	6,072.24
Music	1,109.60
Gates	4,595.16
Guarantees	9,925.00
Dramatics	120.00
Rent of Fraternity Rooms	2,312.50
Reappropriations	1,368.69
Columbian Women for Salary Alumni Secretary	100.00
Rent Income—700 20th St., N.W.	93.50
702 20th St., N.W.	539.37
Corcoran Hall	198.00
Interest on Notes Receivable	1,001.00
Phone Tolls	126.72
Miscellaneous	42.95
	<hr/>

36,016.65

Total Income..... \$372,542.45

Expense:

General Administration.....	Schedule No. 4	\$ 71,555.82
Comptroller's Department.....	5	50,607.24
Director of Admissions.....	6	4,300.15
Office of The Registrar.....	7	30,618.77
University Libraries.....	8	15,556.88
Personnel Department.....	9	3,077.48
Health Administration.....	10	6,890.75
Physical Education for Women...	11	13,517.30
Physical Education for Men.....	12	54,943.79
Student Activities.....	13	18,192.48
Prizes.....		20.00

Total Expense..... \$269,280.66

Net Income for Year 1930-31 Transferred to Surplus, Exhibit "C" \$103,261.79

GENERAL ACCOUNTS

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EXHIBIT "C"

THE GEORGE WASHINGTON UNIVERSITY
ANALYSIS OF SURPLUS ACCOUNT

For the Year Ended August 31, 1931

Surplus—August 31, 1930..... \$1,385,281.18

Additions:

Balance of gift of Mrs. Depew used for purchase of library books.....	\$	600.00	
Profit on sale of real estate—lots 7, 12, 14 and 15, square 62, Twenty-third and Littlewater Streets, N.W.....		52,149.74	
Refund by the District of Columbia of building permit deposits made in previous years.....		136.00	
Executory Trust Funds Principal:			
Transferred from Administrative Reserve Fund for purchase of Sherman Avenue Property.....		26,315.47	
Transferred from Harris Architecture Fund for purchase of equipment in The Division of Fine Arts.....		100.00	
Net Income of The University for the year ended August 31, 1931, transferred from Revenue Account, Exhibit "B".....		103,261.79	182,563.00
			<u>\$1,567,844.18</u>

Deductions:

Transferred to Administrative Reserve Fund...	\$	27,608.09	
Depreciation on Books and Equipment.....		27,270.14	
G. W. U. Hospital Operating Deficit for Year 1930.....		2,567.26	57,445.49

Surplus—August 31, 1931, Exhibit "A"..... \$1,510,398.69

SCHEDULE No. 1

LAND, EDUCATIONAL AND MISCELLANEOUS BUILDINGS

August 31, 1931

Location	Square	Lot	Book Value
2017-27 G Street, N.W.	102	832	\$115,793.63
2101 G Street, N.W.	79	800, 801	25,000.00
2015 G Street, N.W.	102	801	28,655.46
1016 Thirteenth St., N.W.	248	54	22,500.00
1300 L Street, N.W.	248	53	
2014 H Street, N.W.	102	824	5,219.88
2033 G Street, N.W.	102	803 to 806	43,168.38
2024 G Street, N.W.	103	16	14,033.93
2026 H Street, N.W.	102	829	10,237.44
2024 H Street, N.W.	102	818	12,000.00
2100 G Street, N.W.	80	819	24,990.06
2009-11 G Street, N.W.	102	30 to 32	40,000.00
704 Twentieth Street, N.W.	102	24	12,000.00
1335-41 H Street, N.W.	250	33, 34, 804	616,415.00
725 Twenty-first Street, N.W.	102	43	327,481.92
720 Twentieth Street, N.W.	102	44	279,325.93
2010-12 H Street, N.W.	102	825, 826	58,331.44
2020-22 H Street, N.W.	102	819, 820	31,066.71
2026 G Street, N.W.	103	15	15,074.96
716 Twentieth Street, N.W.	102	40	13,805.35
712 Twentieth Street, N.W.	102	42	14,295.10
718 Twentieth Street, N.W.	102	828	20,063.25
715 Twenty-first Street, N.W.	102	808	12,065.75
2016 H Street, N.W.	102	823	14,053.60
2102 G Street, N.W.	80	818	13,051.60
Mechanical Laboratory			
Twenty-first and H Sts., N.W.	102	815-16-17	43,667.49
714 Twentieth Street, N.W.	102	41	14,755.10
702 Twentieth Street, N.W.	102	25	14,555.10
700 Twentieth Street, N.W.	102	26	17,559.40
714 Twenty-first Street, N.W.	79	46	40,098.20
Sherman Avenue Property	2864	800, 01, 06, 09	26,315.47
Total Real Estate—General Funds, Exhibit "A"			\$1,925,580.15

GENERAL ACCOUNTS

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SCHEDULE No. 2

EQUIPMENT AND LIBRARY BOOKS

August 31, 1931

	<i>Equipment</i>	<i>Library Books</i>
Arts and Sciences.....	\$161,338.23	.....
The Law School.....	8,777.63	\$41,514.21
The School of Medicine.....	74,627.64	10,879.55
The School of Pharmacy.....	8,230.49	807.67
The Division of Fine Arts.....	666.15	.....
The University Library.....	962.47	58,812.83
Mechanical Laboratory.....	8,439.29	.....
Administrative.....	28,732.78	.....
Gymnasium.....	4,193.19	.....
The University Hospital.....	45,512.82	.....
	\$341,480.69	\$112,014.26
Less Depreciation.....	108,279.17	26,105.23
Total Equipment and Library Books, Exhibit "A".....	<u>\$233,201.52</u>	<u>\$85,909.03</u>

SCHEDULE No. 3

TRUST NOTES PAYABLE—GENERAL FUNDS

August 31, 1931

<i>Payee</i>	<i>Security</i>	<i>Interest Rate</i>	<i>Date of Maturity</i>	<i>Amount</i>
The Washington Loan & Trust Co.....	Corcoran Hall	5½%	12-14-32	\$220,000.00
American Security & Trust Co..	Stockton Hall	5½%	12-17-31	150,000.00
American Security & Trust Co..	2009-11 G St.	5½%	1-11-32	12,000.00
Metropolitan Life Insurance Co.	2026 G St.	6%	2- 1-42	5,490.00
Kathryn L. Sebastian.....	2026 G St.	5½%	6-13-32	3,000.00
Union Trust Co.—Trustee.....	716 20th St.	5½%	3- 8-33	6,500.00
Edward T. and George W. Welch, Trustees.....	715 21st St.	6%	12-12-32	6,000.00
W. T. Galliher and A. B. Baker.	714 20th St.	6%	12-30-31	7,000.00
Total Trust Notes Payable—General Funds, Exhibit "A".....				<u>\$409,990.00</u>

REPORT OF THE COMPTROLLER

SCHEDULE No. 4

EXPENSE—GENERAL ADMINISTRATION

Year Ended August 31, 1931

Operation:

Salaries.....	\$42,716.50
Office Expenses.....	835.58
Counsel Fee.....	250.00
Stationery, Printing and Postage.....	1,859.38
Travel.....	5,736.17
Press Clippings.....	217.95
Subscriptions and Memberships.....	445.34
Classical School at Athens.....	200.00
Alumni Expenses.....	1,795.04
Administration Entertainment.....	1,672.77
President's Emergency.....	9,031.62
Scholarships.....	5,480.34
University Loan Fund.....	1,000.00
Insurance.....	240.00
Student Union Campaign Fund Expense.....	59.00

Maintenance:

Repairs to Equipment.....	16.13
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Total—Exhibit "B"..... \$71,555.82

SCHEDULE No. 5

EXPENSE—COMPTROLLER'S DEPARTMENT

Year Ended August 31, 1931

Operation:

Salaries.....	\$32,451.19
Stationery, Printing and Postage.....	2,990.93
Auditing.....	550.00
Surety Bonds.....	239.45
Office Expense.....	1,068.66
Telephones.....	3,595.57
Advertising.....	2,231.53
Commencement.....	7,479.91

Total—Exhibit "B"..... \$50,607.24

SCHEDULE No. 6

EXPENSE—DIRECTOR OF ADMISSIONS

Year Ended August 31, 1931

Operation:

Salaries.....	\$3,950.96
Stationery, Printing and Postage.....	331.73
Office Expense.....	15.71

Maintenance:

Repairs to Equipment.....	1.75
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Total—Exhibit "B"..... \$4,300.15

GENERAL ACCOUNTS

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SCHEDULE No. 7

EXPENSE—OFFICE OF THE REGISTRAR

Year Ended August 31, 1931

Operation:

Salaries.....	\$18,332.70
Catalogues.....	8,101.99
Stationery, Printing and Postage.....	3,017.26
Office Expense.....	260.32
Post Office Deposits.....	250.00
Examination Books.....	656.50

Total—Exhibit "B".....\$30,618.77

SCHEDULE No. 8

EXPENSE—UNIVERSITY LIBRARIES

Year Ended August 31, 1931

Operation:

Salaries.....	\$14,289.96
Stationery, Printing and Postage.....	100.08
Office Expense.....	246.48

Maintenance:

Binding—General.....	496.25
Replacements—General.....	78.65
Repairs and Replacements—Law Library.....	345.46

Total—Exhibit "B".....\$15,556.88

SCHEDULE No. 9

EXPENSE—PERSONNEL DEPARTMENT

Year Ended August 31, 1931

Operation:

Salaries.....	\$2,775.77
Stationery, Printing and Postage.....	142.75
Entertainment.....	68.09
Office Expenses.....	9.47
First Aid.....	7.35
Scholarships.....	42.00

Maintenance:

Laundry.....	22.05
Repairs to Equipment.....	10.00

Total—Exhibit "B".....\$3,077.48

REPORT OF THE COMPTROLLER

SCHEDULE No. 10

EXPENSE—HEALTH ADMINISTRATION

Year Ended August 31, 1931

Operation:

Salaries.....	\$3,300.00
Hospitalization.....	3,590.75
Total—Exhibit "B".....	<u>\$6,890.75</u>

SCHEDULE No. 11

EXPENSE—PHYSICAL EDUCATION FOR WOMEN

Year Ended August 31, 1931

Operation:

Salaries.....	\$9,040.65
Stationery, and Postage.....	50.64
Office Expense.....	72.64
Printing.....	104.42
Telegrams and Telephones.....	15.03
Hockey.....	121.83
Basketball.....	98.03
Tennis.....	120.20
Rifle.....	378.82
Swimming.....	683.02
Baseball.....	20.48
Field and Track.....	37.45
Archery.....	51.54
Soccer.....	50.00
Intramural Sports.....	50.00
Transportation to Field—Buses.....	478.00
Uniforms for Athletics.....	1,963.25
Scholarships.....	91.00

Maintenance:

General Expenses.....	90.30
Total—Exhibit "B".....	<u>\$13,517.30</u>

SCHEDULE No. 12

EXPENSE—PHYSICAL EDUCATION FOR MEN

Year Ended August 31, 1931

Operation:

Salaries.....	\$14,125.00
Office Expense.....	98.73
Postage.....	123.06
Football.....	24,940.89
Basketball.....	4,725.72
Rifle.....	497.46
Swimming.....	1,470.58
Tennis.....	491.50
Golf.....	86.00

GENERAL ACCOUNTS

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Operation—Continued

Intramural Sports.....	\$1,817.03
Awards.....	1,317.02
Telegrams and Telephones.....	240.95
Scholarships.....	42.00
Summer Expenses.....	3,935.42

Maintenance:

Supplies.....	200.05
Repairs and Replacements.....	41.79
Renovating and Laundry.....	790.59

Total—Exhibit "B"..... \$54,943.79

SCHEDULE No. 13

EXPENSE—STUDENT ACTIVITIES.

Year Ended August 31, 1931

Publications:

Operation:

Salaries.....	\$ 2,200.00
Supplies.....	13,135.20

Music:

Operation.....	2,857.28
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Total—Exhibit "B"..... \$18,192.48

REPORT OF THE COMPTROLLER

SCHEDULE No. 14
COLUMBIAN COLLEGE
JUNIOR COLLEGE
THE SCHOOL OF GOVERNMENT
THE DIVISION OF SPECIAL AND EXTENSION STUDENTS
INCOME AND EXPENSE
For the Year Ended August 31, 1931

Income

	Columbian	Junior	Government	Special and Extension	Total
Student Fees	\$123,486.24	\$252,706.99	\$11,613.67	\$42,651.42	\$430,458.32
Endowment Income:					
Depew Oratory Fund	6,000.00				
Sanders Scholarship Fund ..	12,325.00				
Elton Professorship Fund ..	234.11				
National League of Masonic Clubs Fund			374.58		
Scottish Rite Endowment Fund			12,500.00		31,433.69
Executory Trust Fund Principal:					
Guggenheim Fund, 1930-31	1,811.82				
Guggenheim Fund Unexpended, 1929-30	190.30				
National League of Masonic Clubs Fund			7,000.00		9,002.12
For Special Investigation in Department of Psychology ..	202.50				202.50
	<u>\$144,240.97</u>	<u>\$252,706.99</u>	<u>\$31,488.25</u>	<u>\$42,651.42</u>	<u>\$471,096.63</u>

Expense

Administration:

Operation:

Salaries	\$5,655.50	
Office Expense	63.71	
Stationery, Printing and Postage . . .	349.17	
Proctors	109.50	
Scholarships	1,976.92	\$8,154.80

Maintenance:

Repairs to Equipment	\$41.13	
Distributive Share	68,954.23	68,995.36

Instruction—

Operation:

Salaries	\$245,986.74
Office Expense	120.45
Laboratory Supplies	11,654.17

GENERAL ACCOUNTS

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Instruction—Continued.

Operation:

Stationery, Printing and Postage....	\$1,333.12	
Aeronautics.....	202.12	
Research in Psychology.....	202.50	
Dramatics.....	283.15	
Debating.....	999.73	
Casts.....	131.93	
Maintenance and Repairs.....	322.29	
	<u>\$261,236.20</u>	
		<u>\$338,386.36</u>

Net Income Transferred to Revenue Account, Exhibit "B"..... \$132,710.27

SCHEDULE No. 15

THE SCHOOL OF MEDICINE

INCOME AND EXPENSE

For the Year Ended August 31, 1931

Income

Student Fees.....\$117,811.71

Endowment Income:

Cooper Medical Research Fund.....	\$90.00	
Gardner Medical School Fund.....	225.00	
Lewis Medical School Fund.....	3,609.33	
Sharpe Medical School Fund.....	420.99	
	<u>4,345.32</u>	
		<u>\$122,157.03</u>

Expense

Administration:

Operation:

Salaries.....	\$8,030.00	
Dues.....	141.00	
Postage.....	702.60	
Reprints.....	461.00	
Faculty Scholarships.....	576.33	
Hospital Instructional Charge.....	15,000.00	
Clinical Instructional Charge.....	3,850.50	
Room Rent for Students.....	416.13	
	<u>\$29,177.56</u>	

Maintenance—General:

Operation:

Salaries.....	\$2,150.00	
Wages.....	4,020.00	
Heat and Light.....	2,602.19	
Insurance.....	53.86	
Repairs.....	1,496.82	
Supplies.....	1,851.50	
	<u>12,174.37</u>	

Instruction:

Operation:

Salaries.....	\$68,003.71	
Laboratory Supplies.....	7,277.87	
Cooper Endowment Research.....	90.00	
		\$75,371.58

Maintenance:

Dieters.....	3,840.00	
		\$120,563.51

Net Income Transferred to Revenue Accounts, Exhibit "B"..... \$1,593.52

SCHEDULE No. 16

THE LAW SCHOOL

INCOME AND EXPENSE

For the Year Ended August 31, 1931

Income

Student Fees..... \$125,464.39

Expense

Administrative:

Operation:

Salaries.....	\$4,060.00	
Stationery, Printing and Postage....	909.93	
Dean's Operating Fund.....	248.84	
Scholarships.....	195.67	
Office Expense.....	49.35	
Proctoring.....	200.00	
		\$5,663.79

Instruction:

Operation:

Salaries.....	\$57,600.00	
Stationery, Printing and Postage....	496.30	
		58,096.30

Maintenance:

Distributive Share.....	20,193.63	
		\$83,953.72

Net Income Transferred to Revenue Account, Exhibit "B"..... \$41,510.67

SCHEDULE No. 17

THE SCHOOL OF ENGINEERING

INCOME AND EXPENSE

For the Year Ended August 31, 1931

Income

Student Fees..... \$55,766.10
 Powell Fund Income..... 2,000.00
 \$57,766.10

GENERAL ACCOUNTS

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Expense

Administration:

Operation:

Salaries.....	\$1,840.00	
Stationery, Printing and Postage....	50.34	
Office Expense.....	49.68	
Supplies.....	51.26	
Scholarships.....	278.00	
	<u> </u>	\$2,269.28

Maintenance:

Repairs to Equipment.....	\$12.50	
Distributive Share.....	8,956.82	
	<u> </u>	8,969.32

Civil Engineering:

Operation:

Salaries.....	\$14,720.00	
Laboratory Supplies.....	349.89	
	<u> </u>	15,069.89

Maintenance:

Laboratory Assistant.....		24.99
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Electrical Engineering:

Operation:

Salaries.....	\$6,700.00	
Laboratory Supplies.....	766.97	
	<u> </u>	7,466.97

Mechanical Engineering:

Operation:

Salaries.....	\$10,740.00	
Laboratory Supplies.....	566.76	
	<u> </u>	11,306.76
		<u> </u>
		\$45,107.21

Net Income Transferred to Revenue Account, Exhibit "B"..... \$12,658.89

SCHEDULE NO. 18

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES.
INCOME AND EXPENSE

For the Year Ended August 31, 1931

Income

Student Fees..... \$9,524.43

Expense

Administration:

Operation:

Salaries.....	\$2,280.00	
Stationery, Printing and Postage.....	943.03	
	<u> </u>	\$3,223.03

Maintenance:

Distributive Share.....	1,532.49	
	<u> </u>	4,755.52

Net Income Transferred to Revenue Account, Exhibit "B"..... \$4,768.91

REPORT OF THE COMPTROLLER

SCHEDULE No. 19

THE SCHOOL OF PHARMACY
INCOME AND EXPENSE

For the Year Ended August 31, 1931

Income

Student Fees.....	\$10,874.20	
Gibbs Pharmacy Fund.....	535.11	
		<u>\$11,409.31</u>

Expense

Administration:

Operation:

Salaries.....	\$100.00	
Stationery, Printing and Postage.....	24.68	
Office Expense.....	24.83	
Faculty Scholarships.....	234.67	
Pharmacy Survey.....	100.00	
		<u>\$484.18</u>

Instruction:

Operation:

Salaries.....	\$5,125.00	
Laboratory Supplies.....	1,049.97	
		<u>6,174.97</u>

Maintenance:

Distributive Share.....	1,746.75	
		<u>8,405.90</u>

Net Income Transferred to Revenue Account, Exhibit "B",	<u>\$3,003.41</u>
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SCHEDULE No. 20

THE SCHOOL OF EDUCATION
INCOME AND EXPENSE

For the Year Ended August 31, 1931

Income

Student Fees.....	\$50,582.04
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Expense

Administration:

Operation:

Salaries.....	\$980.00	
Stationery, Printing and Postage.....	77.59	
Office Expense.....	24.23	
Scholarships.....	322.00	
		<u>\$1,403.82</u>

Education:

Operation:

Salaries.....	\$17,193.50	
Office Expense.....	199.99	
Scholarships, Supervising Teachers.....	280.00	
		<u>17,673.49</u>

GENERAL ACCOUNTS

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Home Economics:

Operation:

Salaries.....	\$5,400.00	
Laboratory Material.....	449.73	
Stationery, Printing and Postage.....	53.09	
		\$5,902.82

Maintenance:

Laboratory Maintenance.....	\$77.57	
Distributive Share.....	8,140.22	
		8,217.79

\$33,197.92Net Income Transferred to Revenue Account, Exhibit "B" \$17,384.12

SCHEDULE No. 21

THE DIVISION OF LIBRARY SCIENCE
INCOME AND EXPENSE

For the Year Ended August 31, 1931

Income

Student Fees..... \$13,629.32

Expense

Administration:

Operation:

Salaries.....	\$200.00	
Stationery, Printing and Postage.....	36.77	
Scholarships.....	210.00	
		\$446.77

Instruction:

Operation:

Salaries.....	\$4,200.00	
Supplies.....	48.05	
		4,248.05

Maintenance:

Distributive Share.....	2,186.48	
		6,881.30

Net Income Transferred to Revenue Account, Schedule "B" \$6,748.02

SCHEDULE No. 22

THE SUMMER SESSIONS OF 1931
INCOME AND EXPENSE

Income

Student Fees:

The Junior College.....	\$17,297.75	
Columbian College.....	14,847.56	
The Graduate School of Letters and Sciences.....	545.67	
The School of Education.....	7,836.02	
The School of Engineering.....	3,435.34	
The Law School.....	12,551.33	
The School of Government.....	1,197.00	
The Division of Fine Arts.....	784.67	
The Division of Library Science.....	1,694.35	
The Division of University and Extension Students.....	14,004.54	
		\$74,194.23

Expense

Administration:

Operation:

Salaries.....	\$2,450.00	
Printing.....	9,876.16	
Stationery and Postage.....	1,069.48	
Social Fund.....	428.15	
Office Expense.....	170.75	
University Hatchet.....	320.78	
Advertising.....	301.69	
Hospitalization.....	195.25	
Faculty Scholarships.....	42.00	
	<hr/>	\$14,854.26

The Graduate School of Letters and Sciences:

Operation:

Salaries.....	2,010.00
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The Junior College:

Operation:

Salaries.....	\$17,704.00	
Botany Laboratory.....	39.03	
Chemistry Laboratory.....	505.99	
Geology Laboratory.....	93.19	
Physics Laboratory.....	73.30	
Zoology Laboratory.....	98.94	
	<hr/>	18,514.45

Columbian College:

Operation:

Salaries.....	\$9,850.00	
Faculty Scholarships.....	63.00	
Psychology Laboratory.....	58.09	
	<hr/>	9,971.09

The School of Government:

Operation:

Salaries.....	4,115.00
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The School of Education:

Operation:

Salaries.....	\$4,170.00	
Faculty Scholarships.....	63.00	
	<hr/>	4,233.00

The School of Engineering:

Operation:

Salaries.....	1,080.00
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The Division of Library Science:

Operation:

Salaries.....	1,320.00
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The Division of Fine Arts:

Operation:

Salaries.....	\$722.75	
Models.....	35.00	
	<hr/>	757.75

TRUST ACCOUNTS

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The Law School:

Operation:

Salaries.....	\$7,580.00	
Faculty Scholarships.....	56.00	
Advertising.....	68.60	
Stationery, Printing and Postage.....	149.11	
Printing—Educational.....	147.00	
Extra Stenographic Assistants.....	79.00	
	<u>\$8,079.71</u>	\$64,935.26

Net Income Transferred to Revenue Account, Exhibit "B" \$9,258.97

SCHEDULE No. 23

THE DIVISION OF FINE ARTS
INCOME AND EXPENSE

For the Year Ended August 31, 1931

Income

Student Fees.....	\$16,894.21	
Sanders Scholarship Fund.....	810.00	
	<u> </u>	\$17,704.21

Expense

Administration:

Operation:

Salaries.....	\$920.00	
Office Expense.....	140.00	
	<u> </u>	\$1,060.00

Maintenance:

Repairs to Equipment.....	\$50.00	
Distributive Share.....	2,729.01	
	<u> </u>	2,779.01

Architecture:

Operation:

Salaries.....	\$10,472.50	
Beaux Arts Design.....	548.60	
Models.....	700.00	
Express.....	34.99	
	<u> </u>	11,756.09

Graphic Art:

Operation:

Salaries.....	4,400.00	
	<u> </u>	19,995.10

Net Loss Transferred to Revenue Account, Exhibit "B" \$2,290.89

REPORT OF THE COMPTROLLER

SCHEDULE No. 24—STATEMENT OF CASH RECEIPTS AND PAYMENTS
For the Year Ended August 31, 1931

<i>Receipts</i>		<i>Payments</i>	
Student Fees:		Departmental Expense:	
Columbian College.....	\$433,344.12	Columbian College.....	\$118,385.36
The School of Medicine.....	109,622.46	The School of Medicine.....	120,563.31
The Law School.....	125,796.88	The Law School.....	81,953.72
The School of Engineering.....	56,312.11	The School of Engineering.....	45,107.21
The Graduate School of Letters and Sciences.....	9,792.18	The Graduate School of Letters and Sciences.....	4,755.52
The School of Pharmacy.....	10,902.45	The School of Pharmacy.....	8,405.90
The School of Education.....	50,861.69	The School of Education.....	33,197.92
The Division of Library Science.....	13,791.66	The Division of Library Science.....	6,881.30
The Division of Fine Arts.....	16,935.88	The Division of Fine Arts.....	10,925.10
The Summer Sessions.....	75,255.59	The Summer Sessions.....	64,935.26
			\$726,181.80
Other Student Fees:		Refunds to Students:	
University Fees.....	\$75,451.00	Columbian College.....	\$2,885.80
Graduation Fees.....	13,918.00	The School of Medicine.....	339.25
Fees—Previous Years.....	2,380.47	The Law School.....	332.49
Junior Certificates.....	309.00	The School of Engineering.....	546.01
Breakage Deposits.....	17,937.44	The Graduate School of Letters and Sciences.....	267.75
		The School of Pharmacy.....	28.25
Medical School Fees Paid in Advance.....	110,015.91	The School of Education.....	279.65
	12,476.00	The Division of Library Science.....	102.34
		The Division of Fine Arts.....	41.67
Endowment Funds Income:		The Summer Sessions.....	1,001.16
For Specific Purposes:		University Fees.....	238.00
Columbian College.....	\$18,559.11	Graduation Fees.....	246.06
The School of Government.....	12,874.58	Fees—Previous Years.....	303.96
The School of Medicine.....	4,345.32	Breakage Deposits.....	13,698.58
The School of Engineering.....	2,000.00		
The School of Pharmacy.....	535.11	General Administration.....	19,830.91
The Division of Fine Arts.....	810.00	Comptroller's Department.....	71,555.82
		Office of Admissions.....	50,607.24
Endowment Income for General Purposes.....	39,124.12	Office of The Registrar.....	4,300.15
	13,050.54	University Libraries.....	30,618.77
		Personnel Department.....	15,556.88
Executive Trust Funds—Principal:		Health Administration.....	3,077.48
Guggenheim Fund for Promotion of Aeronautics.....	\$1,811.82	Physical Education for Women.....	6,890.75
Harris Architecture Fund.....	100.00	Physical Education for Men.....	13,517.50
National League of Masonic Clubs Fund.....	7,000.00	Student Activities.....	54,943.79
For Purchase of Real Estate.....	26,315.47	Prizes.....	18,192.48
		Temporary Increase in Petty Cash.....	215.00
			1,000.00

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[illegible]

TRUST ACCOUNTS

TRUST FUNDS

SCHEDULE No. 25

GENERAL ENDOWMENT FUNDS

As at August 31, 1931

Permanent funds, principal to be invested and income only to be used, for support of the general work of the University.

Subscription Gifts Fund, 1845-1851

Fund raised by authority of the Trustees of Columbian College by general subscription between the years 1845 and 1851, as a permanent endowment for the support of the College. (Formerly called the Poindexter Endowment Fund.)..... \$12,525.56

Withers Fund:

Fund raised by authority of the Trustees of Columbian College between the years 1851 and 1870, for increasing the endowment fund of the College; John Withers of Alexandria, Virginia, giving \$16,000.00, and the balance being obtained by general subscription. (Formerly called the Forty Thousand Dollar Endowment Fund.)..... 26,891.46

Corcoran Fund:

Fund raised by authority of the Trustees of Columbian College and Columbian University between the years 1871 and 1886, to be forever held inalienable, and not to be diminished by use for the support of the institution, but the whole amount to be invested, in the discretion of the Trustees and according to their best judgment, and the interest thereon or the income therefrom to be used for the current expenses and support of the institution; William W. Corcoran, of Washington, D. C., giving \$112,000.00, and the balance being obtained by general subscription..... 220,155.76

Syms Fund:

Bequest of Samuel Syms, of West Hoboken, New Jersey, in 1891, to Columbian University, to be applied by the Trustees toward the endowment of the College Proper..... 1,500.00

Alumni Endowment Fund:

A fund established by the Senior Class of 1920, as a testimonial of grateful appreciation, to be added to by succeeding graduating classes, the income only to be used for the general welfare of the University, as directed by the Board of Trustees..... 542.00

1923-24 Campaign Fund:

Receipts through the Treasurer of the Fund, from various donors, and invested as a general endowment..... \$186,512.65

George N. Acker Fund:

Bequest of George N. Acker, M.D., of Washington, D. C., received July 2, 1924. An unconditional gift carried as a general endowment by direction of the Board of Trustees..... 300.00

\$448,427.43

The Scottish Rite Endowment Fund:

A fund of One Million Dollars, created by indenture, dated December 27, 1928, by the Supreme Council of the Ancient and Accepted Scottish Rite of Freemasonry of the Southern Jurisdiction of the United States of America, as a permanent memorial to George Washington, The Mason, and in consideration of its high esteem of The University as an institution of learning. The principal of the fund is payable as follows: "One Hundred Thousand Dollars on the execution and delivery of this indenture, or deed of donation. Annually thereafter this sum of One Hundred Thousand Dollars a year, payable on or before the 22nd of February in each year, until the sum above named has been fully paid." The principal of the fund is "to be held by the University in trust, in perpetuity, and by the Board of Trustees of The University to be safely invested and the income thereof used in the establishment and maintenance by the University as a part of its institution of learning of a School or Department of Government designed to perpetuate the principles of human freedom, the rights of man, and the sovereignty of the people, as those principles are enunciated in the Constitution of the United States and embodied in the system of State and Federal Governments composing the United States of America."

\$450,000.00

PROFESSORSHIP ENDOWMENT FUNDS

Permanent funds, principal to be invested and income only to be used, for support of professorships as specified by the donors.

Congressional Professorship Fund:

Donation by the United States, in 1832, by Act of Congress, of \$25,000 in city lots in Washington, D. C., to be sold and the proceeds invested as a capital, the dividends or interest to be used and applied, in aid of other revenues of Columbian College, to the establishment and endowment of such professorships therein "as now are, or hereafter shall be, established by the Trustees."

\$105,362.95

Elton Professorship Fund:

Bequest of Rev. Romeo Elton of Exeter, England, in 1872, to be applied for the foundation of a professorship of mental and moral philosophy in Columbian College, to be called the Elton Professorship of Mental and Moral Philosophy.

14,508.19

Alumni Professorship Fund:

Gifts of various alumni since 1911, for the endowment of an Alumni Professorship of Mathematics, the amount to be invested and the interest only to be used for the professorship.

829.49

Mitchell Carroll Professorship Fund:

A fund established by Mary A. Sharpe, April 17, 1928, to memorialize Professor Mitchell Carroll; the income to be used to provide a revenue for a chair of Archaeology.

500.00

Nancy Yulee Endowment Fund:

Bequest of Nannie Yulee Noble, in memory of her mother, Nancy Yulee; income to be used for lectures in Home Economics. Fund established April 22, 1929.

5,000.00

Art and Archaeology Fund:

A fund established by the Board of Trustees on May 18, 1927, the income to be devoted to the "support of the School of Classical Studies at Athens as long as the Board desires to contribute to this cause."

\$1,000.00

\$127,200.63

SPECIFIC ENDOWMENT FUNDS

Permanent funds, principal to be invested and income only to be used, for designated purposes specified by the donors (other than support of professorships) incidental to, or connected with, the general work of the University.

SCHOLARSHIP FUNDS:

Walker Scholarship Fund:

Gift of William Walker, of Putnam County, Georgia, in 1824, for the endowment of a scholarship

\$2,500.00

Withington Scholarship Fund:

Gift of the Board of Trustees of the New York Baptist Theological Seminary, on behalf of John Withington, of New York, in 1829, for the purpose of endowing a scholarship in Columbian College, to be named the Withington Scholarship

1,953.13

Morehouse Scholarship Fund:

Gift of A. Morehouse, of Washington, D. C., in 1861, to Columbian College, with the design of adding to its ability to furnish gratuitous instruction to indigent students for the Christian ministry

1,500.00

Kendall Scholarship Fund:

Gift of Amos Kendall, of Washington, D. C., in 1869, to Columbian College on behalf of Calvary Baptist Church in the City of Washington, to purchase a classical scholarship; The Trustees of Public Schools in the City of Washington, and their successors, to have the perpetual privilege of selecting from said schools one pupil annually to fill said scholarship, and the pupils so selected each to be entitled to instruction in said College, for the term of six years, free of charge for tuition, use of library, and apparatus, or for any other privilege allowed to paying students of the same grade

5,959.61

Davis Scholarship Fund:

Gift of Isaac Davis, of Worcester, Massachusetts, in 1869, the income to be appropriated to some student pursuing his collegiate course in Columbian College under certain conditions

1,000.00

M. M. Carter Scholarship Fund:

Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1871, to Columbian College, to found a scholarship for some deserving young man

1,000.00

Founders of Columbian Women Scholarship Fund:

A fund established by the "Columbian Women" of George Washington University, in 1920, to provide scholarships for women in Columbian College

5,000.00

Woodhull Scholarship Fund:

Bequest of Ellen M. E. Woodhull, of Washington, D. C., the income to be used for scholarships. \$600.00

The Lillian Young Herren Scholarship Fund:

A fund established by "The Columbian Women" of George Washington University, in 1925, to provide scholarships for women in Columbian College. (Formerly Third Columbian Women Scholarship Fund.) \$1,000.00

Byron Andrews Memorial Scholarship Fund:

A fund founded by Mrs. Belle Fisk Andrews, in memory of her husband, Byron Andrews, to provide scholarships "for ambitious and needy students in English, Latin, Journalism, History, Literature or Political Science." \$5,000.00
(Principal of fund held in trust for investment by the American Security and Trust Company.)

David Spencer Scholarship Fund:

Devise in trust of real estate in Knox County, Illinois, the income to constitute an educational fund which under certain conditions shall be used to aid in defraying the expenses of designated students at the University. 18,135.00

Farnham Scholarship Fund:

Gift of Mrs. Robert Farnham, of Washington, D. C., in 1871, to Columbian College for a scholarship in the College. 1,000.00

Powell Scholarship Fund:

Devise of real estate by Rear Admiral Levin M. Powell, of Washington, D. C., in 1886, to Columbian University for the free education of young men by way of preparation for entrance into the Naval Academy at Annapolis, or to fit them to become mates and masters in the Merchant Marine Service of the United States. 30,000.00

Mary Lowell Stone Scholarship Fund:

Gift of an anonymous person in memory of Miss Mary Lowell Stone, in 1893, to Columbian University for Scholarships for needy women students in science in the Department of Arts and Sciences. 2,000.00

H. H. Carter Scholarship Fund:

Gift of Mrs. Maria M. Carter, of Washington, D. C., in 1896, in memory of her husband, Henry Harding Carter, to Columbian University as a foundation for Scholarships in Civil Engineering in Columbian College. 5,000.00

Nellie Maynard Knapp Scholarship Fund:

Gift of the "Columbian Women," in 1915, in memory of Mrs. Nellie Maynard Knapp, to George Washington University, for scholarships for women in the Department of Arts and Sciences. 5,000.00

REPORT OF THE COMPTROLLER

Elma Lewis Harvey Scholarship Fund:

Bequest of Mrs. Emma Elizabeth Harvey, in memory of her daughter, Elma Lewis Harvey, to found a scholarship in the Department of Arts and Sciences for young women of the Protestant faith and of the Caucasian race. Principal of fund held in trust for investment by The Washington Loan and Trust Co.....

\$5,000.00

Elizabeth V. Brown Scholarship Fund:

A fund founded by the College Women's Club of Washington, D. C., in 1925, as a memorial to Elizabeth V. Brown, the income to be used for scholarships in Teachers College.....

1,200.00

College Women's Scholarship Fund:

Donation by the College Women's Club of Washington in 1926, the income to be used by the Columbian Women for scholarships.....

500.00

Isabella Osborn King Memorial Fund:

Bequest of Isabella O. King, by will dated March 15, 1920, the income to be used to provide a scholarship for special investigation in Biology.....

40,643.63

Lewis D. and Myrtle H. Wilson Scholarship Fund:

A fund established by Miss Elizabeth Wilson, in 1926, the income to be used by the Columbian Women for scholarships.....

1,000.00

Thomas Bradford Sanders Fellowship Fund:

Bequest of Addie Sanders by will dated March 13, 1928, to The George Washington University, in memory of her late brother, Thomas Bradford Sanders, the income to be used by the proper authorities of The George Washington University in the exercise of their sole and absolute discretion for the establishment of annual scholarships in the several departments of said University, to assist young men and women in obtaining an education and furthering their causes. Principal of fund held for investment by the National Savings and Trust Company

\$245,426.78

\$384,418.15

PRIZE FUNDS:

Davis Prize Fund:

Gift of Isaac Davis, of Worcester, Massachusetts, in 1847, to Columbian College, for prizes to be awarded annually to such members of the senior class as shall have made the greatest progress in elocution since their connection with the College.

\$700.00

Ruggles Prize Fund:

Gift of William Ruggles, of Washington, D. C. (a professor in Columbian College and at one time Acting President), in 1899, to Columbian College, for a prize to be awarded annually for excellence in mathematics.....

500.00

Staughton-Elton Prize Fund:

Gift of Rev. Romeo Elton, of Exeter, England, in 1860 and 1865, to Columbian College, for prizes to be awarded annually for excellence in the Latin and Greek Languages; one to be called the Staughton prize in Latin, the other the Elton prize in Greek \$500.00

Fitch Prize Fund:

Gift of James E. Fitch, of Washington, D. C., in 1883, to Columbian University, in memory of Willie E. Fitch, for a gold prize to be assigned annually under the auspices of the Scientific School 1,000.00

Walsh Prize Fund:

Gift of Thomas F. Walsh, of Washington, D. C., in 1901, to Columbian University, for a gold medal to be awarded annually for excellence in Irish history. 300.00

Cutter Prize Fund:

Gift of Marion Kendall Cutter, of Washington, D. C., in 1902, to Columbian University, in memory of E. K. Cutter, for a prize to be awarded annually for excellence in the study of English. 1,000.00

Goddard Prize Fund:

Gift of Mary M. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of Morgan Richardson Goddard, for a gold medal, and a cash prize, to be awarded annually to the student making the highest average in Commerce. 1,169.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of James Douglas Goddard, for a gold medal to be awarded annually to the student making the highest average in Pharmacy. 675.00

Goddard Prize Fund:

Gift of Mary W. Goddard, Alice Douglas Goddard, and Frederick J. Goddard, of Georgetown, D. C., in 1923, in memory of Edward Carrington Goddard, class of '81, for a gold medal to be awarded annually to the student making the highest average in the French language and literature. 675.00

Hubbard Prize Fund:

Gift of Mrs. Gertrude M. Hubbard, of Washington, D. C., in 1907, to George Washington University in memory of her husband, Gardiner G. Hubbard, for a prize to be awarded annually to the student in the undergraduate department of the University who, having maintained throughout four years a high standing in the classes of American History, may be required to present the best essay upon an assigned topic in this subject. 1,000.00

Ordronaux Prize Fund:

Bequest of John Ordronaux, of Glen Head, N. Y., in 1909, to George Washington University, for the establishment of biennial prizes in the Law and Medical Departments 5,000.00

Weddell Prize Fund:

Gift of Mrs. Virginia Chase Weddell, in 1923, to found a prize to be known as the "Alexander Wilbourne Weddell Prize," to be awarded annually to the student submitting the best essay upon the general subject of the promotion of peace among the nations of the world.

\$5,000.00

Sterrett Prize Fund:

Gift of Rev. J. MacBride Sterrett, in 1911, to George Washington University, in memory of his son, J. MacBride Sterrett, Jr., for a gold medal to be awarded annually to the student obtaining the highest average in Physics.

300.00

\$17,819.00

MEDICAL SCHOOL, HOSPITAL, AND PHARMACY FUNDS:

Cooper Medical Research Fund:

Bequest of Mrs. Eleanor J. Cooper, of Washington, D. C., in 1905, to Columbian University on certain terms since modified by the Supreme Court of D. C., as follows: The income to be devoted towards the establishment and maintenance, in connection with the Medical Department of George Washington University, of a Research Laboratory, the work of this laboratory to be devoted to the investigation of the nature, causation, prevention, and cure of malaria and other infectious and contagious diseases.

\$10,000.00

National Park Seminary Hospital Fund:

Gift of students of National Park Seminary, of Forest Glen, Maryland, in 1906, to George Washington University, for the endowment of a bed in the University Hospital.

500.00

Woodbury Hospital Fund:

Bequest of Miss Ellen deQ. Woodbury, of Washington, D. C., in 1909, to George Washington University, for the reception and treatment of female patients in the hospital belonging to or connected with the University.

9,583.33

Chapman Hospital Fund:

Bequest of Mrs. Susanna A. Chapman, of Washington, D. C., in 1911, to George Washington University, to be used for the purposes of the free wards of the University Hospital.

1,225.90

Tree Hospital Fund:

Bequest of Lambert M. Tree, of Chicago, Illinois, in 1911, in memory of his mother, Mrs. Laura M. Tree, to Columbian University, for the purpose of establishing one or more beds in perpetuity in the University Hospital to be known as the "Laura M. Tree bed or beds."

10,000.00

Reinhardt Hospital Fund:

Bequest of Mrs. Luisa Wynne Reinhardt, of Washington, D. C., in 1922, to the University Hospital, to be used for the benefit of the Hospital, as directed by the Board of Trustees.

500.00

TRUST ACCOUNTS

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Sharpe Medical School Fund:

Gift of Mary A. Sharpe, Elizabeth M. Sharpe, and Sallie Sharpe, in 1924, to establish a fund in trust, the income to be used exclusively for the Medical School, \$8,000.00
(Principal of fund held in trust for investment by the National Savings and Trust Co.)

Lewis Medical School Fund:

Bequest of Samuel E. Lewis, received in 1925, the income to be used for the support of the Medical School, 103,304.15

Board of Lady Managers Hospital Fund:

Gift of the Board of Lady Managers of George Washington University Hospital, in 1925, to establish a fund, the income to be used for the support of the Hospital, 1,000.00

General Hospital Endowment Fund:

Bequest of Dr. I. M. Cassanowicz, 100.00

Gardner Medical School Fund:

Bequest of William D. Gardner, received in 1928; the income to be used for the support of The School of Medicine, 4,486.55

Gibbs Pharmacy Fund:

Gift of M. G. Gibbs, of Washington, D. C., to The George Washington University; the income to be used to aid in establishing and maintaining a commercial pharmacy course in connection with its School of Pharmacy, 10,000.00

\$158,699.93

Total General Endowment Funds—Exhibit "A" \$1,586,565.14

SCHEDULE NO. 26

EXECUTORY TRUST FUNDS

As at August 31, 1931

Non-permanent funds, principal and income usable for the purposes specified by the donors, each trust terminating on its execution.

EXECUTORY TRUST FUNDS NOT CONFINED TO BUILDING PURPOSES:

Jacques Medical School Fund:

Bequest of Mrs. Mary Emma Jacques, of Washington, D. C., in 1912, to George Washington University, to be used in such manner as the Trustees may direct for the Hospital of the University, \$5,290.25

Mayer Hospital Fund:

Bequest of Theodore J. Mayer, of Washington, D. C., in 1907 (received in 1916), to George Washington University, for the benefit of the University Hospital, 6,949.06

Swisher Book Fund:

A fund contributed by various donors to be used for the purchase of books on History for the Arts and Sciences Library, 65.86

<i>Administrative Reserve Fund:</i>	
A fund created by order of the President of the University to be drawn upon to meet the administrative emergencies.....	\$12,203.73
<i>Guggenheim Fund for the Promotion of Aeronautics:</i>	
A fund created by The Daniel Guggenheim Foundation for the Promotion of Aeronautics. The money to be used to underwrite the salary of one assistant professor at the rate of \$2,000.00 per year for each of the coming three years.....	2,402.22
<i>District of Columbia D. A. R. Loan Fund:</i>	
A fund contributed by chapters in the District of Columbia to be loaned children of members.....	1,799.67
<i>Plumbing and Heating Institute Fund:</i>	
A fund created by sundry persons interested in the plumbing and heating trade to establish an Institute to afford a course of lectures in plumbing and heating.....	310.71
<i>School of Pharmacy Equipment Fund:</i>	
A fund created by sundry persons for the purpose of purchasing equipment for The School of Pharmacy.....	7,370.47
<i>Addie Sanders Hospital Fund:</i>	
Bequest of Addie Sanders by will dated March 13, 1928, to The George Washington University Hospital for such use of the Hospital as the Board of Trustees of the University see fit...	9,627.82
<i>Engineering Club Room Fund:</i>	
A fund created to equip and maintain a club room for the use of students in the Engineering Department.....	105.97
<i>William P. Eno Fund:</i>	
Donation by Mr. William P. Eno to provide a prize for the best essay on Traffic Regulation for the District of Columbia....	175.00
<i>Student Loan Fund:</i>	
A fund to total \$5,000, to be created by an annual contribution of \$1,000 for five years by The George Washington University. This fund is to be used for the purpose of making short time loans to students. First contribution of \$1,000 made Oct. 25, 1928.....	2,278.78
<i>Depew Oratory Fund:</i>	
Semi-annual contribution of Mrs. Chauncey M. Depew to be used for salaries and other expenses in the department of Public Speaking for the year 1931-32.....	3,000.00
<i>Freda Kuhlbank Hospital Fund:</i>	
Bequest of the late Freda Kuhlbank to The George Washington University Hospital for a bed or beds in the White Ward to be known as the "Freda Kuhlbank Bed." The income from this bequest to be added to the principal of the fund until the principal shall be sufficient to produce an income large enough to maintain a bed in the White Ward of The George Washington University Hospital.....	640.96

TRUST ACCOUNTS

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Student Union Furnishings Fund:

A fund created by various contributions during the second semester of the 1930-31 academic year for the purpose of furnishing and equipping the new Student Union Building.... \$6,628.17

George Washington Statue Fund:

A fund created June 20, 1931, by Martha B. Parke with the initial contribution of \$500.00. The principal and interest to be used for the purpose of acquiring a statue of George Washington for whom the University was named and who, during his public life, urged the establishment of such an institution 505.35

Lafayette Memorial Fund..... 1,991.96

Maury Memorial Fund..... 2,004.25

Reserve for Protection of Investments..... 2,931.28

Publications Reserve Fund..... 447.73

\$66,728.94

BUILDING FUNDS:

General Building Fund:

Gifts from various persons toward a fund authorized by the Trustees of the University May 31, 1916, for purchasing sites, buildings, and equipment, remodeling or rebuilding, and paying off obligations. This is an open subscription fund, to be continued and increased indefinitely..... \$26,316.80

Class of 1929 Women Unit No. 3 Fund:

Gifts from women members of the Class of 1929, to be used in aid of the building of Unit No. 3..... 250.49

Unit No. 3 Fund:

Gifts from various persons to aid in financing the third unit of the building program..... 39,629.87

Medical Building Fund:

Contribution R. C. Withers..... 116.89

\$66,314.05

Total Executory Trust Funds—Exhibit "A"..... \$133,042.99

REPORT OF THE COMPTROLLER

SUMMARY OF TRUST FUNDS

As at August 31, 1931

General Endowment Funds:

General Endowment Funds.....	\$448,427.43
Scottish Rite Endowment Funds.....	450,000.00
Professorship Endowment Funds.....	127,200.63

Specific Endowment Funds:

Scholarship Funds.....	\$384,418.15
Prize Funds.....	17,819.00
Medical School, Hospital and Pharmacy Funds.....	158,699.93
	<u>560,937.08</u>

Total General Endowment Funds, Exhibit "A".....	<u>\$1,586,565.14</u>
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Executory Trust Funds:

Building Funds.....	\$66,314.05
Funds Not Confined to Building Purposes.....	66,728.94

Total Executory Trust Funds, Exhibit "A".....	<u>133,042.99</u>
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TRUST ACCOUNTS

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TRUST FUNDS INVESTMENTS

SCHEDULE No. 27

GENERAL ENDOWMENT FUNDS INVESTMENTS

As at August 31, 1931

Consolidated Endowment Funds Investments:

STOCKS

	Book Value
American Telephone and Telegraph Co.	
11 shares of Common Stock.....	\$ 1,337.80
Atchison, Topeka and Santa Fe Railroad Co.	
10 shares of 5% Non-Cumulative Preferred Stock...	950.00
Capital Traction Co.	
27 shares of Capital Stock.....	2,835.00
Chicago, Rock Island and Pacific Railway Co.	
40 shares of 7% Cumulative Preferred Stock.....	4,000.00
Chicago, Rock Island and Pacific Railway Co.	
100 shares of Common Stock.....	8,004.72
Great Northern Railway Co.	
8 shares of Preferred Stock.....	615.00
Mergenthaler Linotype Co.	
6 shares of Capital Stock.....	588.00
National City Bank of New York	
35 shares of Capital Stock.....	3,097.04
Potomac Electric Power Co.	
2 shares of 6% Cumulative Preferred Stock.....	214.25
Southern Pacific Co.	
3 shares of Capital Stock.....	306.75
Southern Railway Co.	
4 shares of 5% Preferred Stock.....	363.00
Timken-Detroit Axle Co.	
6 shares of 7% Cumulative Preferred Stock.....	570.00
	<hr/>
	\$22,971.56

BONDS

	Book Value
American Telephone and Telegraph Co.	
\$1,000 5% Collateral Trust Bonds, due 1946.....	\$ 1,012.50
Atlantic Coast Line Railroad Co.	
\$10,000 4% Consolidated Gold Debenture Bonds, due 1939.....	9,550.00
Canadian Pacific Railway Co.	
\$5,000 5% Collateral Trust Gold Bonds, due 1954..	5,000.00
Capital Traction Co.	
\$4,000 5% First Mortgage Gold Coupon Bonds, due 1947.....	3,940.00

Chesapeake and Potomac Telephone Co. of Virginia	
\$1,000 5% First Mortgage 30 year Sinking Fund	
Gold Bonds; Series "A", due 1943.....	\$1,015.00
Chicago, Rock Island and Pacific Railway Co.	
\$24,000 4% First and Refunding Mortgage Bonds,	
due 1934.....	20,959.17
Cleveland Union Terminal Co.	
\$5,000 5% First Mortgage Sinking Fund Bonds;	
Series "B", due 1973.....	5,275.00
Commonwealth Edison	
\$1,000 5% First Mortgage Collateral Trust Bonds;	
Series "B", due 1954.....	1,002.50
Federal Land Bank Bonds:	
\$1,000 4 $\frac{1}{4}$ % Federal Farm Loan on Federal Land	
Bank of Baltimore, due 1953.....	1,000.00
\$1,000 4 $\frac{1}{4}$ % Federal Farm Loan on Federal Land	
Bank of Louisville, due 1943.....	1,008.75
Grand Trunk Western Railway Co.	
\$6,000 4% First Mortgage Gold Bonds, due 1950..	5,475.00
New York Central Railroad Co.	
\$5,000 4 $\frac{1}{2}$ % Refunding and Improvement Mortgage	
Gold Bonds; Series "A", due 2013.....	5,000.00
New York Steam Corporation	
\$1,000 6% First Mortgage Gold Bonds; Series "A",	
due 1947.....	1,027.50
Pacific Gas and Electric Co.	
\$15,000 4 $\frac{1}{4}$ % First and Refunding Mortgage Bonds,	
Series "F", due 1960.....	14,700.00
Philadelphia Electric Co.	
\$2,000 4% First and Refunding Mortgage Bonds,	
due 1971.....	1,870.00
Potomac Electric Power Co.	
\$16,000 5% Consolidated Mortgage Gold Bonds,	
due 1936.....	16,025.00
Southern Bell Telephone and Telegraph Co.	
\$30,000 5% First Mortgage Sinking Fund Gold	
Bonds, due 1941.....	29,925.00
State of Minnesota	
\$1,000 4% City of Minneapolis Bridge Bonds,	
due 1939.....	990.30
Union Pacific Railroad Co.	
\$1,000 4% First Mortgage Railroad and Land Grant	
Gold Bonds, due 1947.....	922.50
United States of America	
\$5,000 4 $\frac{1}{2}$ % Fourth Liberty Loan, due 1938.....	5,084.95
Washington Gas Light Co.	
\$3,000 5% General Mortgage Gold Coupon Bonds,	
due 1960.....	3,085.00
Washington Railway and Electric Co.	
\$5,500 4% Consolidated Mortgage Gold Bonds,	
due 1951.....	4,491.25
West Shore Railroad Co.	
\$1,000 4% Guaranteed First Mortgage Gold Bonds,	
due 2361.....	818.75

 \$139,198.17

TRUST NOTES

Frank Armstrong Notes	
Five notes, secured by deed of trust on lot 66, square 1868; interest 6%, due Nov. 10, 1931.....	\$5,000.00
Pauline V. Beyer Note	
Number 6 of a series of 66, secured by lot B and part of Alley H, square 376; interest 5½%, due December 17, 1931.....	5,000.00
Elmer W. Brandes Note	
Number 3 of 3, secured by deed of trust on lot 25, square 1938; interest 5½%, due July 16, 1932. Held by American Security and Trust Co., Trustees of Byron Andrews Memorial Scholarship Fund.....	3,000.00
H. L. Breuninger Notes	
One of a series of 14, secured by deed of trust on lot 23, square 2714; interest 6%, due May 21, 1934.....	5,000.00
John F. Burns Note	
Secured by deed of trust on lots 50, 51, 52, 53, block 8, "Washington Heights;" interest 6%, due October 2, 1932.....	8,000.00
Charles H. Butler Notes	
Five notes numbers 1 to 5 of a series of 50, secured by deed of trust on lots 4, 22, 23, 53, square 1991; interest 6%, due Feb. 6, 1932.....	25,000.00
Morris Cafritz Notes	
Numbers 2, 3, 6, of 33, secured by deed of trust on lots 1 and 53, square 2061; interest 5½%, due February 23, 1932.....	25,000.00
Central Building Company Notes	
Numbers 208, 209, 210, 211 and 212 of 308, secured by lot 47, square 168; interest 6%, due December 18, 1932.....	25,000.00
Interest in \$350,000 note payable to Washington Loan and Trust Co., secured by deed of trust, executed by the University to National Savings and Trust Company, Trustee, December 1, 1910, on Medical and Hospital Lands and Buildings, 1335-1339 and 1341 H Street, N.W., without interest; due on or before December 1, 1920.....	319,910.24
A. Hislop and J. H. Bartlett Notes	
Numbers 153, 154, 191, 62, 63, 107, 110 to 124 of 280, secured by lot 38, and part of original lot 5, now new lot 807, square 253; interest 5%, due March 14, 1933.....	25,000.00
Kresge Realty Company Notes	
Numbers 2, 3, and 19 of 25, secured by deed of trust on lot 1, square 319; interest 5%, due September 9, 1931.....	30,000.00
Morris Ross Notes	
Numbers 5 and 6 of 8, secured by deed of trust on lot 24, square 180; interest 5½%, due April 15, 1934.....	2,000.00
Salvation Army Notes	
Numbers 22 and 23 of 25, secured by lots 20, 30, 31, and part of 32, square 248; interest 6%, due March 17, 1932.....	10,000.00

REPORT OF THE COMPTROLLER

Shannon and Luchs Inc. Notes

Numbers 184 and 185 of 207, secured by deed of trust on lots 71 to 77 inclusive, square 252; interest $5\frac{1}{2}\%$, due April 4, 1932..... \$20,000.00

Chester A. Snow Notes

Numbers 36, 44, 48, 52, 70, 71, 73, and 74 of 95, secured by deed of trust on lot 77, square 162; interest 5% , due October 31, 1931..... 8,000.00

Terminal Refrigerating and Warehousing Corp. Notes

Numbers 106, 11, 134, 136, 137, 138, and 139 of 145, secured by deed of trust on original lot 6, lots A, B, C, D, E, F, 16, 17, and part of lots 18 and 19, square 536; interest $5\frac{1}{2}\%$, due November 10, 1931..... 25,000.00

The Vestry of St. Alban's Parish of the Protestant Episcopal Church Notes

2 notes, number 18 and 19 for \$1,000 each; dated April 9, 1928, due April 9, 1933..... 2,000.00

3 notes, numbers 33 to 35 inclusive for \$5,000 each; dated April 9, 1928, due April 9, 1933..... 15,000.00

\$557,910.24

REAL ESTATE

Congressional Endowment:

Lot 818, Square 13..... \$3,813.50

Lot 12, Square 13..... 3,715.00

Lot 13, Square 13..... 3,270.00

Lot 9, Square 16..... 2,594.20

Lot 5, Square 87..... 8,532.00

21,924.70

Powell House, 1707 I Street, N.W.....

30,000.00

Spencer Farm.....

18,135.00

Lewis Properties, 1404-6-8-10 P Street, and 1416-18 and 1502 14th Street, N.W.....

145,000.00

215,059.70

MISCELLANEOUS

Certificate of Deposit:

Washington Loan and Trust Company..... 150.00

Stocks, Bonds, etc. held in trust by the National Savings and Trust Company, Washington, D. C., Trustees of the Estate of Addie Sanders, deceased; donor of the Addie Sanders Scholarship Fund.....

240,371.00

SCOTTISH RITE INVESTMENTS

BONDS

Book Value

American Telephone and Telegraph Co.

\$1,000 $5\frac{1}{2}\%$ Sinking Fund Gold Debenture Bonds, due 1943.....

\$ 1,037.50

Brooklyn Edison Co.

\$20,000 5% General Mortgage, Series "A", due 1949.....

21,000.00

Buffalo Creek Railroad Co.

\$15,000 5% First Mortgage Bonds, due 1941.....

15,337.50

Canadian Pacific Railway Co.

\$15,000 5% Collateral Trust Gold Bonds, due 1954.....

15,000.00

Cleveland Union Terminal Co.	
\$25,000 4½% First Mortgage Sinking Fund Gold Bonds, due 1977.....	\$24,437.50
Commonwealth Edison Co.	
\$9,000 5% First Mortgage Collateral Trust Bonds; Series "B", due 1954.....	9,381.25
Consolidated Gas, Electric Light and Power Co. of Balt.	
\$10,000 4¾% First Refunding Mortgage Sinking Fund Gold Bonds; Series "G", due 1969.....	9,977.00
Danish Consolidated Municipal Loan	
\$10,000 5½% External Sinking Fund Bonds, due 1955.....	9,975.00
Delaware and Hudson Co.	
\$5,000 4% First and Refunding Mortgage Bonds, due 1943.....	4,650.00
Detroit Edison Co.	
\$10,000 5% General and Refunding Mortgage Gold Bonds, Series "A", due 1949.....	10,400.00
General Steel Castings Corporation	
\$15,000 5½% First Mortgage Gold Bonds; Series "A", due 1949.....	14,965.50
Grand Trunk Western Railway Co.	
\$10,000 4% First Mortgage Gold Bonds, due 1950.....	9,125.00
Inland Steel Company	
\$6,000 4½% First Mortgage Sinking Fund Bonds; Series "A", due 1978.....	5,700.00
Kingdom of Denmark	
\$15,000 4½% External Gold Loan of 1928, due 1962.....	14,212.50
Kingdom of Norway	
\$5,000 5% Sinking Fund External Loan Gold Bonds, due 1963.....	4,862.50
Missouri Pacific Railroad Co.	
\$10,000 5% First and Refunding Gold Bonds; Series "F", due 1977.....	9,807.50
Pacific Gas and Electric Co.	
\$5,000 4½% First and Refunding Mortgage Bonds; Series "F", due 1960.....	4,900.00
Pennsylvania Power and Light Co.	
\$15,000 4½% First Mortgage Gold Bonds, due 1981.....	14,475.00
Pennsylvania Railroad Co.	
\$15,000 4¾% Gold Debenture Bonds, due 1970....	14,137.50
Philadelphia Electric Co.	
\$3,000 4% First and Refunding Mortgage Bonds, due 1971.....	2,805.00
Port of New York Authority	
\$14,000 4¾% Gold Bonds, due 1958.....	14,070.00
\$1,000 4¾% Gold Bonds, due 1959.....	1,005.00
Portland General Electric Co.	
\$10,000 4½% First and Refunding Mortgage Gold Bonds, due 1960.....	9,050.00
Public Service Electric and Gas Co.	
\$35,000 4½% First and Refunding Mortgage Gold Bonds, due 1970.....	33,337.50
Railway Express Agency Inc.	
\$15,000 5% Gold Bonds; Series "A", 10M due 1947, 5M due 1948.....	14,965.50

REPORT OF THE COMPTROLLER

Shawinigan Water and Power Co.	
\$10,000 4½% First Mortgage and Collateral Trust Sinking Fund Gold Bonds; Series "B", due 1968	\$9,419.75
\$15,000 5% First Mortgage and Collateral Trust Sinking Fund Gold Bonds; Series "C", due 1970	14,700.00
Standard Oil Company of New York	
\$15,000 4½% Serial Gold Debentures, due 1948	14,587.50
State of New York Highway	
\$1,000 5% Loan for Highway Improvement, due 1942	1,111.05
West Shore Railroad Co.	
\$14,000 4% Guaranteed First Mortgage Gold Bonds, due 1961	12,355.00
Western Union Telegraph Co.	
\$10,000 5% Thirty Year Gold Bonds, due 1960	9,977.00
Youngstown Sheet and Tube Co.	
\$10,000 5% First Mortgage Sinking Fund Bonds, "A", due 1978	10,250.00
\$15,000 5% First Mortgage Sinking Fund Bonds, Series "B", due 1970	15,112.50
	<u>\$376,127.05</u>

TRUST NOTES

Sixth Presbyterian Church	
3 notes, numbers 2 and 3 for \$10,000 each and number 4 for \$5,000 for 3 years @ 5½%; due June 24, 1932	\$25,000.00
The Vestry of St. Alban's Parish of the Protestant Episcopal Church Notes	
6 notes, 12 to 15 inclusive for \$2,000 each and numbers 16 and 17 for \$1,000 each. One-half of note number 12 maturing October 9, 1931, has been paid. The last note of this series maturing October 9, 1932	9,000.00
8 notes, numbers 20 to 27 inclusive for \$1,000 each; dated April 9, 1928, due April 9, 1933	8,000.00
5 notes, numbers 28 to 32 inclusive for \$5,000 each; dated April 9, 1928, due April 9, 1933	25,000.00
	<u>\$67,000.00</u>
Total General Endowment Funds Investments Exhibit "A"	<u>\$1,618,727.81</u>

SCHEDULE No. 28

EXECUTORY TRUST FUND INVESTMENTS

As at August 31, 1931

STOCKS

	Book Value
National City Bank of New York	
4 shares of Capital Stock	\$ 420.00

TRUST ACCOUNTS

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BONDS

	Book Value
Chesapeake and Ohio Railway Co.	
\$15,000 4½% Refunding and Improvement Mortgage Bonds, Series "A", due 1993.....	\$14,250.00
Commonwealth of Australia	
\$12,000 5% External Loan, due 1957.....	11,775.00
Fruit Growers Express Co.	
\$10,000 4¼% Equipment Trust, Series "H", due 1943	9,325.00
Pacific Gas and Electric Co.	
\$5,000 4½% First and Refunding Mortgage Bonds, due 1960.....	4,900.00
Pennsylvania Company	
\$10,000 4¾% Secured Gold Bonds, due 1963.....	9,875.00
Potomac Electric Power Co.	
\$2,000 5% Consolidated Mortgage Gold Bonds, due 1936.....	2,028.75
Province of Ontario	
\$15,000 5% Debenture Bonds, due 1959.....	14,962.50
Washington Railway and Electric Co.	
\$1,000 4% Consolidated Mortgage Gold Bonds, due 1951.....	800.00
	<hr/>
	\$67,916.25

TRUST NOTES

Fidelity Storage Company Notes	
Numbers 1, 15, 22, 23, 28, 33, 34, 35, 48, and 55 of 63, secured by deed of trust on lot 58, square 205; interest 5½%, due June 24, 1934.....	\$22,000.00
Nettie and Fayette Moore Notes	
Numbers 58, 97, and 98 of 132, secured by deed of trust on lots 23, 24, 28, 29, and part of lot 65, square 36, "Columbia Heights"; interest 6%, due November 7, 1931.....	3,000.00
Shannon and Luchs Inc. Notes	
One note dated April 4, 1927, due April 4, 1932, secured by deed of trust on lots 71 to 77 inclusive, square 252; interest 5½%.....	10,000.00
	<hr/>
	\$ 37,000.00

MISCELLANEOUS

Interest in General Property of the University.....	7,179.32
Total Executory Trust Investments—Exhibit "A".....	<hr/>
	\$112,515.57

REPORT OF THE COMPTROLLER

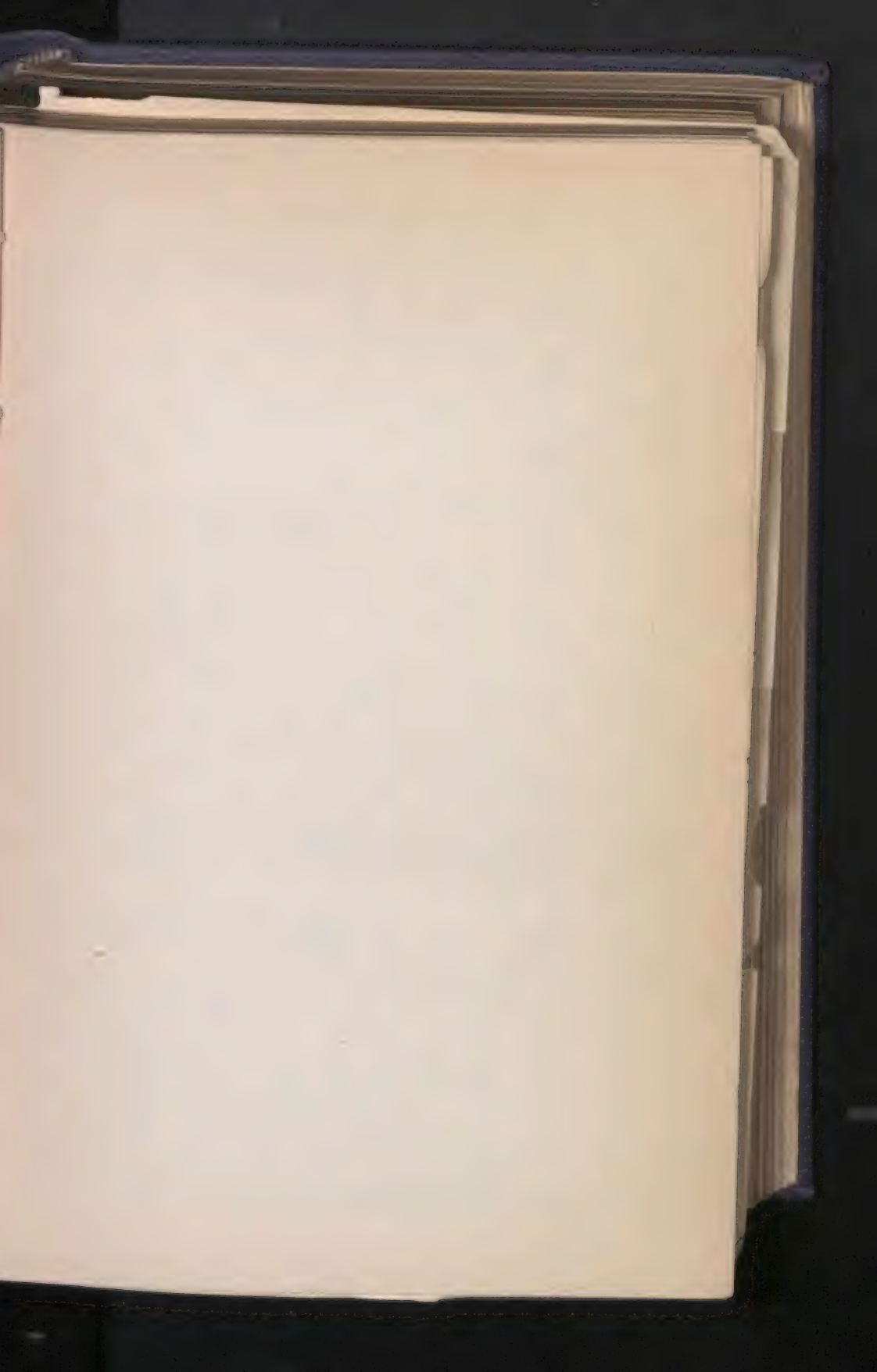
SUMMARY OF TRUST FUNDS INVESTMENTS

As at August 31, 1931

	General Endowment Funds		Executory Trust Funds
	Consolidated Endowment	Scottish Rite	
Stocks.....	\$ 22,971.56		\$ 420.00
Bonds.....	139,198.17	\$376,127.05	67,916.25
Trust Notes.....	557,910.24	67,000.00	37,000.00
Real Estate.....	215,059.70		7,179.32
Certificate of Deposit.....	150.00		
Sanders Scholarship Fund Invest- ments.....	240,371.09		
	\$1,175,660.76	\$443,127.05	\$112,515.57
	443,127.05		
Trust Funds Investments, Exhibit "A" Cash Awaiting.....	\$1,618,787.81		\$112,515.57
	12,777.33		20,527.42
	\$1,631,565.14		\$133,042.99
Less: Trust Notes Payable on Lewis Property.....	45,000.00		
	\$1,586,565.14		

The General Endowment Funds Uninvested Cash is made up of the following cash balances:

Consolidated Endowment Cash.....	\$ 848.69
Scottish Rite Cash.....	6,872.95
Sanders Fund Cash.....	5,055.69
	<u>\$12,777.33</u>



REPORT OF THE COMPTROLLER

THE GEORGE WASHINGTON UNIVERSITY
SCHEDULE No. 29—GENERAL ENDOWMENT AND EXECUTORY TRUST FUNDS INCOME AND EXPENSE
For the Year Ended August 31, 1931

	INCOME		EXPENSE						Unexpended Income Aug. 31, 1931
	Unexpended Income Aug. 31, 1930	For the Year	Transferred to General Funds	Added to Principal	Transferred to Schools Income	Prizes and Scholarships	Transferred to Hospital Income	Real Estate Expense	
Concoran Fund		\$1,853.97	\$1,853.97						
Alumni Endowment Fund		29.00	29.00						
1933-34 Campaign Fund		9,979.91	9,979.91						
George N. Allen Fund		18.05	18.05						
Scottish Rite Endowment Fund		18,022.84			\$12,500.00				\$5,522.84
Conger Rite Professorship Fund		1,046.97	1,046.97						
Elston Professorship Fund		234.11			234.11				
Alston Professorship Fund		44.38	44.38						
Mitchell Carroll Professorship Fund		26.75	26.75						
Nancy Yates Endowment Fund	\$556.52	267.55							
Art and Architecture Fund		53.51	53.51						654.07
Thomas Bradford Sanders Fellowship Fund									
Isabella O. King Memorial Fund	18,298.59	10,641.27			13,135.00				15,804.86
Washington Scholarship Fund	9,237.14	2,174.90							11,462.04
Kendall Scholarship Fund	160.78	20.33							81.11
Davis Scholarship Fund	1,028.32	240.80							1,269.32
Proctor of Columbian Women Scholarship Fund	5.04	2.14							7.18
Elston M. E. Woodhall Scholarship Fund	277.59	267.55				\$277.59			267.55
The Lillian Young Horton Scholarship Fund (Formerly the Third Columbian Women's Fund)	41.39	32.10				25.00			48.4
David Spencer Scholarship Fund	204.55	381.08				318.84			246.79
Byron Andrews Memorial Scholarship Fund	34.43	300.00				300.00			32.43
Pratt Scholarship Fund	322.41	263.22				300.00			385.63
Mary C. Stone Scholarship Fund	1,790.40	4,749.78			2,000.00			\$2,171.87	2,318.31
Nancy M. Knapp Scholarship Fund	311.39	267.55							311.39
Ellis Lewis Hance Scholarship Fund	273.10	261.33				273.10			267.55
E. V. Brown Scholarship Fund	893.84	64.21				149.00			935.17
College Women's Scholarship Fund	65.84	26.75				135.54			4.21
Hoppe Louis No. 20 Scholarship Fund	27.31					27.31			26.75
Merzerott Scholarship Fund	10.00	400.00				400.00			16.00
L. D. and M. H. Wilton Scholarship Fund		53.51				54.62			53.51

TRUST ACCOUNTS

51

Cooper Medical Research Fund.....	103 31	535 11	90 00		811 18
National Park Seminary Hospital Fund.....	26 75				130 06
Woodbury Hospital Endowment Fund.....	533 43	512 81		\$523 43	512 81
Chapman Hospital Endowment Fund.....	66 96	65 59		66 96	65 59
Tree Hospital Endowment Fund.....	546 19	535 11		546 19	535 11
Remillard Hospital Fund.....	29 12	26 75		29 12	26 75
Sharpe Medical School Fund.....		420 99			
Lewis Medical School Fund.....		3,609 33			
Board of Lady Managers Hospital Fund.....		8,209 93			
General Hospital Endowment Fund.....	54 62	53 51		54 62	53 51
Gardner Hospital Endowment Fund.....	5 46	5 35		5 46	5 35
Gibbs Pharmacy Fund.....	373 37	240 08	225 00		388 43
Davis Prize Fund.....	163 95	37 45		30 00	171 10
Fitch Prize Fund.....	623 25	12 62		40 00	595 87
Walsh Prize Fund.....	421 38	16 05			427 43
Carter Prize Fund.....	95 59	53 51		40 00	137 09
Gouldard Prize Fund.....	241 13	134 79		125 00	360 93
Hubbard Prize Fund.....	55 45	53 51		40 00	89 06
Oudeneaux Prize Fund.....	420 80	230 00		200 00	420 80
Wellidell Prize Fund.....	67 82	267 55		200 00	135 37
Sterrett Prize Fund.....	132 28	16 05		16 00	132 28
Jacquess Medical School Fund.....		268 71			
Mayer Hospital Fund.....		352 96	\$268 71		
La Faverre Memorial Fund.....		101 17	352 96		
Maurry Memorial Fund.....		101 80	101 17		
Swisher Bank Fund.....		8 02	101 80		
Administrative Reserve Fund.....		802 67	8 02		
Guggenheim Fund.....		214 04	802 67		
D. of C. D. A. R. Loan Fund.....		86 95	214 04		
School of Pharmacy Equipment Fund.....		374 35	86 95		
National League of Masonic Clubs Fund.....			374 35		
Addie Sanders Hospital Fund.....		374 58			
Engineering Club Room Fund.....		489 03	374 58		
Reserve for the Protection of In- vestments.....		5 38	489 03		
Dewey Oratory Fund.....		149 29	5 38		
Freda Kuhlback Hospital Fund.....		3,000 00	149 29		
Publications Reserve Fund.....		22 74	3,000 00		
George Washington Statue Fund.....		5 35	22 74		
General Building Fund.....		972 06	5 35		
Class of 1929 Women's Unit No. 3 Fund.....			972 06		
Unit No. 3 Fund.....		12 72	12 72		
Medical Building Fund.....		3,012 94	3,012 94		
		5 93	5 93		
	840,516.74	573,071.40	\$15,050.54	\$9,851.00	\$64,575.59
			\$39,124.12	\$6,772.47	

THIRD DIVISION
SELF-SUPPORTING DEPARTMENTS
FOR THE YEAR ENDED
AUGUST 31, 1931

REPORT OF THE COMPTROLLER

SCHEDULE No. 30

THIRD DIVISION—SELF-SUPPORTING DEPARTMENTS
BALANCE SHEET

As at August 31, 1931

Assets

Current Assets:

Inventory—The University Store.....	\$11,675.24	
Inventory—The Duplicating Bureau.....	491.46	
Allowances Receivable for Returned Purchases.....	542.11	
		<u>\$12,708.81</u>

Fixed Assets:

Equipment—The Duplicating Bureau.....	\$2,539.94	
Less—Reserve for Depreciation.....	654.87	
		<u>1,885.07</u>
		<u>\$14,593.88</u>

Liabilities and Surplus

Current Liabilities:

Cash Overdraft, August 31, 1931.....	\$637.81
Liability of Duplicating Bureau to The University.....	1,408.31
Liability of The University Store to The University.....	6,696.62

Surplus:

Balance, August 31, 1930.....	\$3,514.69	
Add—Third Division Profit for Year.....	2,276.43	
		<u>\$5,791.14</u>
		<u>\$14,593.88</u>

SCHEDULE No. 31

THIRD DIVISION—SELF-SUPPORTING DEPARTMENTS
STATEMENT OF PROFIT AND LOSS

For the Year Ended August 31, 1931

Hospital Services:

Receipts.....	\$18,467.50	
Disbursements.....	16,578.00	
		<u>\$1,889.50</u>
Profit for Year.....		

Medical Services:

Receipts.....	\$6,084.00	
Disbursements.....	4,663.00	
		<u>1,421.00</u>
Profit for Year.....		

THIRD DIVISION

55

Duplicating Bureau:

Sales.....	\$8,219.72
Supplies Inventory, August 31, 1930...	\$816.23
Purchases—Supplies.....	3,410.26

	<u>\$4,226.49</u>
Supplies Inventory, August 31, 1931...	491.46

Cost of Supplies Used.....	\$3,735.03
Salaries.....	5,254.19
Repairs to Equipment.....	73.25
Depreciation on Equipment.....	253.99

Cost of Sales.....	<u>9,316.46</u>
--------------------	-----------------

Loss for Year.....	1,096.74
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The University Store:

Sales.....	\$20,968.31
Inventory, August 31, 1930.....	\$12,097.54
Purchases.....	18,508.32

	<u>\$30,605.86</u>
Inventory, August 31, 1931.....	11,675.24

Cost of Sales.....	<u>18,930.62</u>
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Profit on Sales.....	\$2,037.69
Deduct—Salaries.....	<u>1,975.00</u>

Profit for Year.....	<u>\$62.69</u>
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Net Profit for Year Transferred to Surplus—Schedule No. 30.....	<u>\$2,276.45</u>
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THE GEORGE WASHINGTON UNIVERSITY
REPORT OF THE COMPTROLLER

For the Year Ended August 31, 1931

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THE SPEAKERS' BUREAU

THE
GEORGE
WASHINGTON
UNIVERSITY
BULLETIN

THE SPEAKERS' BUREAU

WASHINGTON, D. C.

PUBLISHED IN MCMXXXI

BY THE UNIVERSITY

PREFACE

To professional, business, and social organizations, The George Washington University offers a new service. This is provided by the Speakers' Bureau, which is an organization of specialists in the various Colleges, Schools, Divisions, and Departments. The members of the Bureau are prepared to present discussions of subjects, selected from their respective fields of specialization, to both popular and technical audiences.

In addition to members of the Faculty, the Speakers' Bureau offers the services of the University Intercollegiate Debate Teams and advanced students in the various fields of learning.

It is my hope that the Speakers' Bureau will increase the usefulness of the University by making it possible for discussions of important subjects to be brought directly to interested groups. Among the subjects, which are listed in the following pages, there are topics which should be of vital interest to almost every type of organization. The University welcomes this opportunity to serve.

CLOYD HECK MARVIN, *President*

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OSCAR BENWOOD HUNTER, A.B., A.M., M.D., F.A.C.P.

Dr. Hunter is Assistant Dean and Chairman of the Executive Committee of the School of Medicine, and he is also Professor of Bacteriology and Pathology. He is a contributor to the *American Journal of Obstetrics*, *Journal of the American Medical Association*, *Journal of Laboratory and Clinical Medicine*, *Washington Medical Annals*, *Annals of Clinical Medicine*, *Journal of Bacteriology*, *Transactions of the American Therapeutic Society*, and *American Journal of Pathology*. He is pathologist for The George Washington University Hospital, Sibley Hospital, and Montgomery County Hospital. He is a past president of the District of Columbia Medical Society and of The George Washington University Medical Society.

SUBJECTS

1. Medical Education.
2. Bacteriology and Parasitology.
3. Clinical Microscopy.
4. Pathology.
5. Preventive Medicine.



DEWITT CLINTON CROISSANT, A.B., PH.D.

Dr. Croissant is Professor and Executive Officer of the Department of English. He is Chairman of the Board of Governors of the Community Drama Guild and is the author of *Studies in the Work of Colley Cibber*.

SUBJECTS

1. Current Tendencies in Literature.
2. Current Tendencies in the Drama.



WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D.

Dr. Van Vleck is Professor of Law and Dean of the Law School. He is a member of the staff of legal advisers to the reporter on conflict of laws, American Law Institute.

LEGAL SUBJECTS



CHARLES EDWARD HILL, A.B., A.M., Ph.D.

Dr. Hill is Professor of Political Science and Secretary of the Graduate Council. He is the author of *The Danish Sound Dues, A Study in Maritime Jurisdiction*, *Leading American Treaties*, and *James Madison as Secretary of State*.

SUBJECTS

1. The First Two Governments of the United States.
2. The Monroe Doctrine.
3. The Presidency.



CHARLES SAGER COLLIER, A.B., LL.B.

Professor Collier is Professor of Law and Acting Dean of the Law School, 1930-31. He practiced law in 1915-16 with Hughes, Rounds, Schurman, and Dwight, New York City.

SUBJECTS

1. The Problem of Public-Utility Valuation.
2. The Powers of the Courts in Relation to Unconstitutional Legislation.
3. The Historical Origins of the So-called "Judicial Supremacy" in the United States.
4. The Exemption of State Bonds and State Instrumentalities from Federal Taxation.
5. The United States Senate as a Grand Jury: Function and Limits of the Senate's Inquisitorial Powers.
6. The Legal Basis of Jurisdiction of Tax.
7. The President's Removal Powers.
8. The Economic Interpretation of the Federal Constitution.
9. What Kinds of Taxes Are Least Expensive?



HENRY GRATTAN DOYLE, A.B., A.M.

Dean Doyle is Professor of Romance Languages and Dean of the Junior College. He has been a contributor to the *Modern Language Journal*, the *Journal of Education*, and *Hispania*, and a member of the staffs of these periodicals, for several years; he contributes monthly articles on South America to the *Current History Magazine*; and he is editorial director of the *Pan American Magazine*. He is a past president of the Eastern Association of Deans and Advisers of Men and of the American Association of Teachers of Spanish and Secretary of the American Council on Education.

SUBJECTS

1. The Revolutions in South America.
2. Spanish America Looks at Yanquilandia.
3. The Spirit of Spanish Literature.
4. Highlights of Spanish Drama.
5. Some Spanish Women Writers.
6. Spain's Contribution to Civilization.
7. Masterpieces of Old French Literature.
8. The Junior-College Movement.
9. The Teaching of Modern Foreign Languages.
10. College Students as They Really Are.



ROBERT FISKE GRIGGS, B.S., A.M., PH.D.

Dr. Griggs is Professor and Executive Officer of the Department of Botany. He discovered the Valley of Ten Thousand Smokes July 31, 1916. He was leader of the Katmai expeditions for the National Geographic Society, 1915, 1916, 1917, 1919, and 1930. He is a past president of the Botanical Society of Washington. He is the author of *The Valley of Ten Thousand Smokes*, published by the National Geographic Society in 1923, and many scientific papers in technical journals.

SUBJECT

The Valley of Ten Thousand Smokes.



JOHN DONALDSON, B.S., Ph.D.

Dr. Donaldson is Professor of Political Economy and has acted as Dean of the Graduate School and of Columbian College. Formerly Economist, United States War Trade Board, Shipping Board, Department of Commerce, and Department of State, respectively; Secretary, United States Interdepartmental Economic Liaison Committee; Technical Adviser, American Delegation, Washington Arms Conference (1921-22). Member of a number of learned societies, and traveled in various countries. Author of works on international subjects and contributor to scientific journals here and in Europe, he is probably best known in the United States and abroad for his *International Economic Relations: A Treatise on World Economy and World Politics*.

SUBJECTS

1. World Politics and World Economics.
2. Tariffs and Commercial Treaties.
3. World Trusts and Industrial Controls.
4. Problems of International Finance.
5. The Economic Foreign Policy of the United States.



HECTOR GALLOWAY SPAULDING, S.B., LL.B., S.J.D.

Dr. Spaulding is Professor of Law. He formerly practiced law with Ritch, Woodford, Bovee, and Butcher in New York; Cassoday, Butler, Lamb, and Foster in Chicago; and in Minneapolis.

SUBJECTS

1. Jurisdiction on Rum Row.
2. How to Collect from the Salary of a Government Employee.
3. The Lost Golf Ball.



COLIN MACKENZIE MACKALL, A.B. B.S., CHEM., M.S., PH.D.

Dr. Mackall is Professor and Executive Officer of the Department of Chemistry. During the World War he was Gas Officer, Second Division, A.E.F., and Chief of the Chemical Warfare Service, Second Army, A.E.F.

SUBJECTS

1. Across France with a Chemist (illustrated).
2. Some Chemical By-products of War.
3. Stereochemistry (illustrated).
4. Chemical Warfare.
5. Antoine-Laurent Lavoisier and the Chemical Revolution (illustrated).



WALTER ANDREW BLOEDORN, A.B., A.M., F.A.C.P., M.D.

Dr. Bloedorn is Professor of Medicine and Assistant Dean of the School of Medicine. He is Chief of Staff at Gallinger Municipal Hospital. He has been a regular contributor to medical journals for many years; some of the articles he has written are: *Report of a Case of Cholera on the U.S.S. Helena and Notes on a Shanghai Epidemic*; *Studies of Industrial Accidents Which Occurred in the Navy Yard, Washington, D. C.*; *Multiple Gunshot Wounds Resulting from Deflected Bullets*; and *Studies of Drug Addicts*.

SUBJECTS

1. The Cultural Value of a Medical Education.
2. Medical Progress in Relation to Social and Economic Development.
3. The Autopsy Situation in the United States.
4. Heart Disease and Modern Civilization.



RICHARD NORMAN OWENS, A.B., B.S., A.M., Ph.D., C.P.A.

Dr. Owens is Professor of Accounting and Business Administration and Executive Officer of the Department of Economics. He is a former member of the research staff of the Institute of Economics. He is the coauthor with C. O. Hardy of *Interest Rates and Stock Speculation* and coauthor with R. E. Taylor of *Elements of Accounting*.

SUBJECTS

1. History of Fluctuations in Business Conditions.
2. Causes and Proposed Remedies for Business Fluctuations.
3. The New York Stock Exchange: Organization and Method of Trading.
4. How to Judge the Value of a Stock or Bond.
5. Causes of Fluctuations in Stock Prices.



ROBERT WHITNEY BOLWELL, A.B., A.M., Ph.D.

Dr. Bolwell is Professor of American Literature and Director of the Summer Sessions. He is the author of *At Large in Germany*, *After College—What?*, *Life and Works of John Heywood*, and *The Renaissance: English Literature Series*.

SUBJECTS

1. Democracy and Literature: A Problem in Modern Culture.
2. The Americanization of Thomas Paine.
3. Popular Songs and Modern Culture.
4. The Colonial Heritage in American Culture.
5. The Place of the Summer Sessions in College Education.



ARTHUR FREDERICK JOHNSON, M.E.

Professor Johnson is Professor of Mechanical Engineering and Acting Dean of the School of Engineering, 1930-31. His experience includes work as Naval Architect in the Division of Lighthouses; as Coast Guard; in the Engineering Corps; and in the Army Transport Service, United States Government, from 1911 to 1918. In 1918-19 he was with the Fabricated Ship Corporation, Milwaukee; from 1919 to 1923 he was with the Nelson Furniture Company, Chicago, and the National Aniline Company, New York. He is the author of *Design and Construction of Power Workboats*.

SUBJECTS

1. Mechanical Engineering.
2. Aerodynamics.
3. Naval Architecture.
4. Engineering Education.



WILLIAM CULLEN FRENCH, A.B., A.M., Ph.D.

Dr. French is Professor of Education and Executive Officer of the Department of Education. He is coauthor with F. S. Breed Associate Professor of Education at the University of Chicago, of the *Breed-French Speller*. He is coauthor with F. N. Freeman, Professor of Education, University of Chicago, Grace Storm, Assistant in Education, University of Chicago, and Eleanor M. Johnson, Assistant Superintendent of Schools, Lakewood, Ohio, of *The Child Story Readers*. He is also the editor of the Self-Directing Series of Workbooks.

SUBJECTS

1. Historical Backgrounds of Professional Courses for Teachers.
2. This Democratic Education of Ours.
3. Problems in Reading
4. Some Problems in Curriculum Building.
5. Some Fundamentals of the Learning Process.



JAMES EBENEZER PIXLEE, B.S.

Professor Pixlee is Professor and Executive Officer of the Department of Physical Education for Men and Director of Men's Athletics.

SUBJECTS

1. Student Activities of the University.
2. The Relation of Intercollegiate Athletics to the University Academic Program.
3. The Coaching of Football.
4. The Coaching of Basketball.
5. The Coaching of Baseball.
6. The Coaching of Track.



WILLARD HAYES YEAGER, A.B., A.M.

Professor Yeager is the Chauncey Mitchell Depew Professor of Public Speaking and Executive Officer of the Department of Public Speaking. He is coauthor with Professor W. P. Sandford, of the University of Illinois, of *Successful Speaking*, a high-school textbook; *Principles of Effective Speaking*, a first-course college and university textbook; *Business and Professional Speaking*, an advanced university textbook; and *Problems in Business and Professional Speaking*. He is cocompiler with Professor Sandford of *Business Speeches by Business Men*. He is also the author of a number of articles in professional journals.

SUBJECTS

1. Principles of Effective Speaking.
2. Strategy in Handling People.
3. Using Picture Words.
4. Great Moments in American Oratory.
5. Conference Methods.



FRED AUGUST MOSS, A.B., A.M., Ph.D., M.D.

Dr. Moss is Professor and Executive Officer of the Department of Psychology and Clinical Professor of Neuro-Psychiatry. He was formerly Secretary of Hoover's Committee on Causes of Accidents; Staff Psychologist, Bureau of Public Personnel Administration; and Director of Tests and Measurements, First Division, United States Army. In addition to his duties at the University he is Assistant Alienist, District of Columbia; Director of Study, Aptitude Tests, Association of American Medical Colleges; Director of Research, Committee on Riding Qualities, Society of Automotive Engineers; and member of the consulting staff, Gallinger Municipal Hospital.

SUBJECTS

1. The Relation of Psychology to Crime.
2. The Use of Aptitude Tests in Selecting Medical Students.
3. The Selection of Executives.
4. Emotional Conflicts.
5. Psychology of Mental Disorders.
6. Traits People Have in Common.



DUDLEY WILSON WILLARD, A.B., A.M., PH.D.

Dr. Willard is Professor and Executive Officer of the Department of Sociology. He is the author of "Community Organization through Citizens' Associations," in *Social Forces*, December, 1930; and "Public Welfare: State Systems," in *Social Work Yearbook*, Russell Sage Foundation 1929. He is coauthor with Professor Odum, of the University of North Carolina, of *Systems of Public Welfare*. He is also author of other contributions to professional periodicals.

SUBJECTS

1. Some Social Problems of the City of Washington.
2. What Is the American Family, and Where Is It Going?
3. Is Education Responsible for Crime?
4. How Much Government in Social Work?
5. Some Modern Social Theories Applied to Problems of National Welfare.



ELMER LOUIS KAYSER, A.B., A.M.

Director Kayser is Associate Professor of History and Director of the Division of University Students. He is author of *Outline of Ancient History of the Near East*.

SUBJECTS

1. The George Washington University, Its History, Development, and Aims.
2. The New History and Its Application to Past Periods.
3. The Renaissance and the Reformation Interpreted.
4. Religious Education.



HAROLD GRIFFITH SUTTON, A.B., M.S.

Mr. Sutton is Associate Professor of Finance and Director of Admissions. In the years 1924-25 he was attached to the United States Senate Gold and Silver Commission and conducted a research in interest rates.

SUBJECTS

1. Banking Problems.
2. National and International Banking Systems.
3. Corporation Financial Problems.
4. Investments



J. ORIN POWERS, A.B., A.M., Ph.D.

Dr. Powers is Associate Professor of Education. He is the President of the Education Association of the District of Columbia. He is the author of *The Junior High School, a Study of Results in a Typical City System*, and a number of articles in professional periodicals.

SUBJECTS

1. Democracy in Secondary Education
2. Literature and Character
3. Our Junior High School
4. Professionalism of Teachers.



WARREN REED WEST, A.B., PH.D.

Dr. West is Associate Professor of Political Science and Executive Officer of the Department of Political Science.

SUBJECTS

1. The Price of States' Rights.
2. The Exclusion of Members-Elect from the Houses of Congress.
3. The Courts as Organs of Legislation.



SAUL CHESTERFIELD OPPENHEIM, A.B., A.M., J.D. S.J.D.

Dr. Oppenheim is Associate Professor of Law.

SUBJECTS

1. Law and the Social Sciences: The New Thought in Legal Education.
2. Psychiatric Aspects of Crime: "Twilight Zones" in Criminal Law.
3. To Make or Not to Make a Will: A Practical Talk to the Layman.
4. The Accused Gives up the Jury: A Forward Step in Criminal Procedure.
5. Is Our Present Economic System Successful? A Defense.
6. Federal Centralization: The Constitutional Basis for the Increasing Powers of the Federal Government.



FRANK MARK WEIDA, B.S., Ph.D.

Dr. Weida is Associate Professor of Mathematics. He is a specialist in the Mathematics of Statistics, Actuarial Science, Probability, and Practical Mathematical Analysis.

SUBJECTS

1. The Use of Statistical Methods for the Interpretation of Data.
2. Various Conceptions of Correlation.
3. Laws of Error.
4. Probability.



LOWELL JOSEPH RAGATZ, A.B., A.M., Ph.D.

Dr. Ragatz is Associate Professor of History and Editor, *The American Historical Association*. He has been a contributor to *Current History*, *The Wisconsin Magazine of History*, *Annals of the American Academy of Political Science*, *The Journal of Modern History*, *The Mississippi Valley Historical Review*, *Agricultural History*, *The Dictionary of American Biography*, *The International Yearbook of Historical Bibliography*, and *Social Science Abstracts*. He is the author of *The Fall of the Planter Class in the British Caribbean* (awarded the Justin Winsor Prize of the American Historical Association); *A Guide for the Study of British Caribbean History*; *The Question of Egypt in Anglo-French Diplomacy*; *A Syllabus for the Study of European History*; and five handbooks in colonial history.

SUBJECTS

1. International Relations.
2. Contemporary Civilization.
3. Current Events.



COURTLAND DARKE BAKER, A.B., A.M.

Mr. Baker is Assistant Professor of English and is specializing in contemporary British and American literature. He is a member of the editorial board of the *Carillon*, a magazine of verse, and chairman of the play-writing contest of the Community Drama Guild, 1930-31.

SUBJECTS

1. Eugene O'Neill as Dramatist and Thinker.
2. The Poetry of Sara Teasdale, Edna Millay, and Elinor Wylie.
3. Sinclair Lewis and the Nobel Prize.
4. The Poetry of Robinson and Frost.
5. James Joyce and the Psychological Novel.



DOUGLAS BEMENT, A.B., LL.B., A.M.

Mr. Bement is Assistant Professor of English. He is a former member of the Chicago Bar Association and was formerly associated with the *Golden Book Magazine*. During the past five years he has been engaged in teaching, writing, and lecturing, primarily in Washington. He is the author of *Weaving the Short Story*.

SUBJECTS

1. The Short Story. A series of ten lectures, to be given either separately or in a course, including: (1) The History of the Short Story; (2) The Horns of the Dilemma—The Short Story and the Machine Age; (3) The Qualifications of a Writer; (4) The Backbone of the Story; (5) The Setting of a Story; (6) The Problem of Characterization; (7) Action and Plot; (8) Some Technical Problems; (9) Some Further Technical Problems; (10) The Creative Process.
2. Reading for Appreciation.
3. Sidelights on the Creative Process.
4. Education—for What?
5. Wanted—a Teacher.
6. We Talk in Our Sleep: The Part Played by Prejudice in Our Thinking.
7. The Teaching of Composition.



PAUL WILLIAM BOWMAN, A.B., A.M., Ph.D.

Dr. Bowman is Assistant Professor of Botany.

SUBJECTS

1. The Study of Fossil Pollen from Peat Bogs as a Means of Determining Plant Migrations and Climatic Changes.
2. Pollen—The Various Phases of Man's Interest in This Material.



HENRY GODDARD ROBERTS, A.B., A.M.

Mr. Roberts is Assistant Professor of Public Speaking.

SUBJECTS

1. Great Moments in English Oratory.
2. Influencing Behavior through Speech.
3. The Importance of Effective Speaking.
4. Effective Speech Methods.



WILLIAM C. JOHNSTONE, JR., A.B., A.M

Mr. Johnstone is Assistant Professor of Political Science. He is a specialist in the affairs of the Far East.

SUBJECTS

1. The Nationalist Movement in China.
2. China and the Foreign Powers.
3. America's Interests in China.
4. The International City of Shanghai.
5. China and the Unequal Treaties.
6. Foreign Concessions and Settlements in China.



BLAKE RAGSDALE VAN LEER, B.S., M.S., M.E.

Mr. Van Leer, who is Lecturer in Hydraulics and Assistant Secretary of the American Engineering Council, is the author of numerous articles on hydraulics and hydraulic laboratories. He is the editor of the *American Engineering Council Bulletin* and was awarded the Freeman traveling scholarship for the study of hydraulics in Europe, by the American Society of Mechanical Engineers, 1927-28. He was an engineer with the Southern Pacific Railroad Company and the Byron Jackson Pump Company. In 1927 he was City Councilman of Berkeley, California. He invented the California pipe method of water measurement. He was awarded the French *croix de guerre*.

SUBJECTS

1. Engineers in Public Life.
2. Engineering as a Profession.
3. European Hydraulic Research.
4. Pumps.

ROBERT F. MARTIN

Mr. Martin is with the United States Bureau of Foreign and Domestic Commerce. For five years he was District Manager for the Bureau in the Middle West and is at present Senior Economic Analyst. He recently spent two years in Haiti, organizing a Department of Markets for the Haitian Government. He is the author of a number of articles, including "The Country Folk of Haiti," published in the January, 1931, issue of the *Pan American Magazine*.

SUBJECTS

1. American Foreign Trade Promotion.
2. America's International Economic Dependence.
3. Our Foreign Trade.
4. Our Haitian Problem.
5. The Haitian Coffee Industry.
6. Tropical Trade Promotion.
7. The Country Folk of Haiti.

LIEUTENANT T. G. ASHBURN, JR.

Lieutenant Ashburn is aide to the Chairman of the Inland Waterways Corporation. He has been stationed at a number of posts and is particularly interested in the Philippine Islands and their economic and social development.

SUBJECTS

1. A Chat with Hadji Butu.
2. The Land That Time Forgot.
3. On Foot through the Cagayan Valley.

THE GEORGE WASHINGTON UNIVERSITY DEBATE TEAMS

We are glad to offer the services of both our intercollegiate debate teams and our class debate teams to any organization. Each year the University has both men's and women's intercollegiate debate teams. On the average these teams engage in twenty contests with other colleges and universities annually. During the past two years our intercollegiate teams have met teams from Cornell University, Princeton University, Scottish Universities, University of Florida, Swarthmore College, Western Reserve University, Ohio Wesleyan University, New York University, Boston University, University of West Virginia, Carleton College, Pennsylvania State College, University of Cincinnati, University of Oklahoma, Syracuse University, Temple University, Trinity College, University of North Carolina, and North Carolina State College.

We should like to arrange to have some of these intercollegiate contests presented before clubs, societies, and schools in and around Washington. These debates will give organizations opportunities of hearing live political, social, and economic questions discussed.

In addition to our intercollegiate debates we are glad to offer the services of teams from some of our own classes in debating, for the same purpose. On reasonable notice we can supply teams from our classes at any time. We welcome the opportunity to bring these discussions to you.

NOTE ON ARRANGEMENTS FOR SPEAKERS

FACULTY SPEAKERS

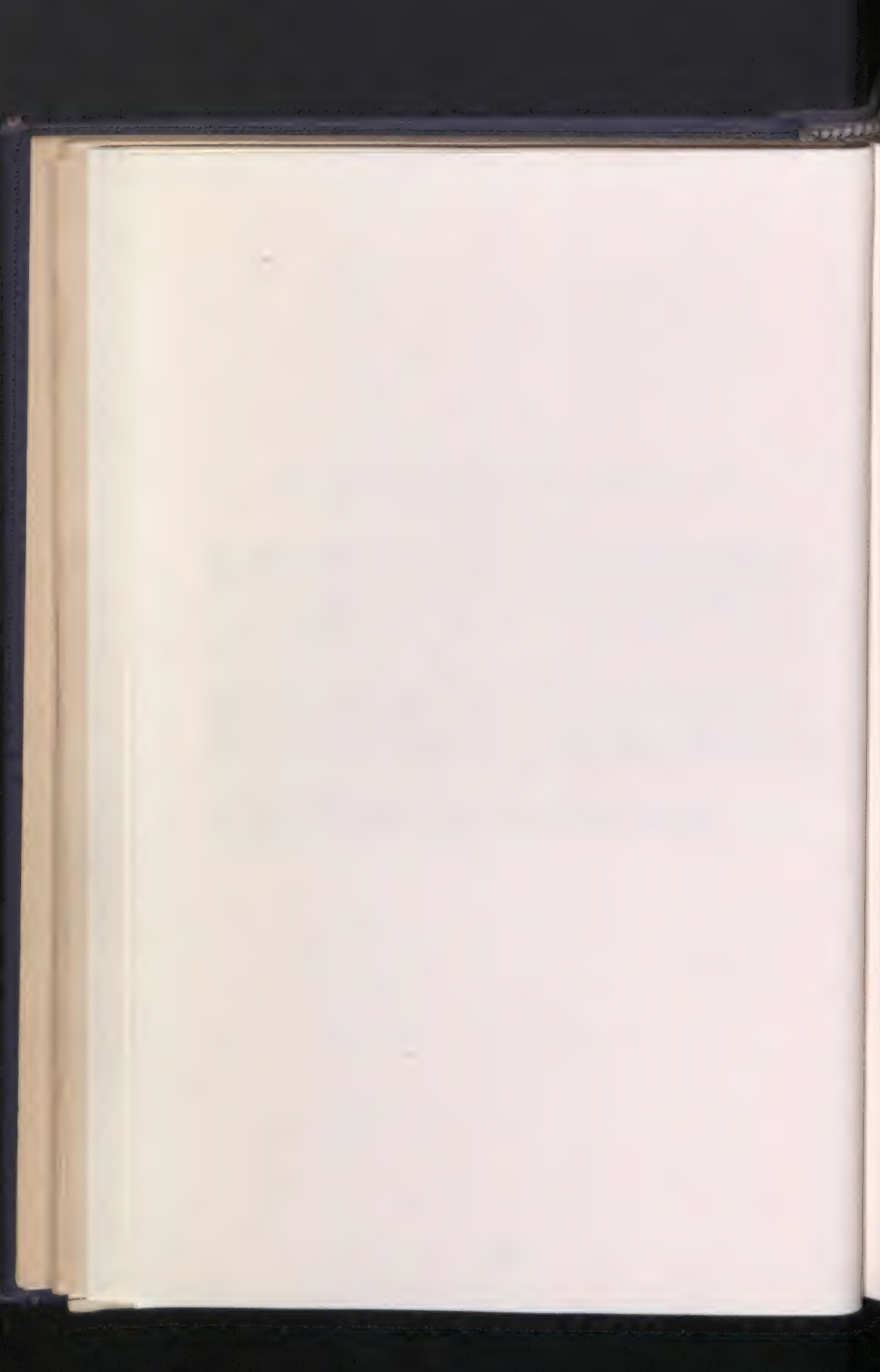
Members of the Faculty are available to serve all types of organizations. Information on the conditions under which they speak will be sent upon request. The speakers are not limited to the subjects listed in this book; arrangements may be made for them to speak upon other topics in their respective fields.

All requests for speakers should be made not less than two weeks in advance.

STUDENT SPEAKERS

We are glad to send our intercollegiate and class debate teams and other student speakers entirely without charge. The length of the discussions may be adjusted to the requirements of each organization. Requests for our debates with other universities should be made a month in advance, while other student speakers usually can be supplied on short notice.

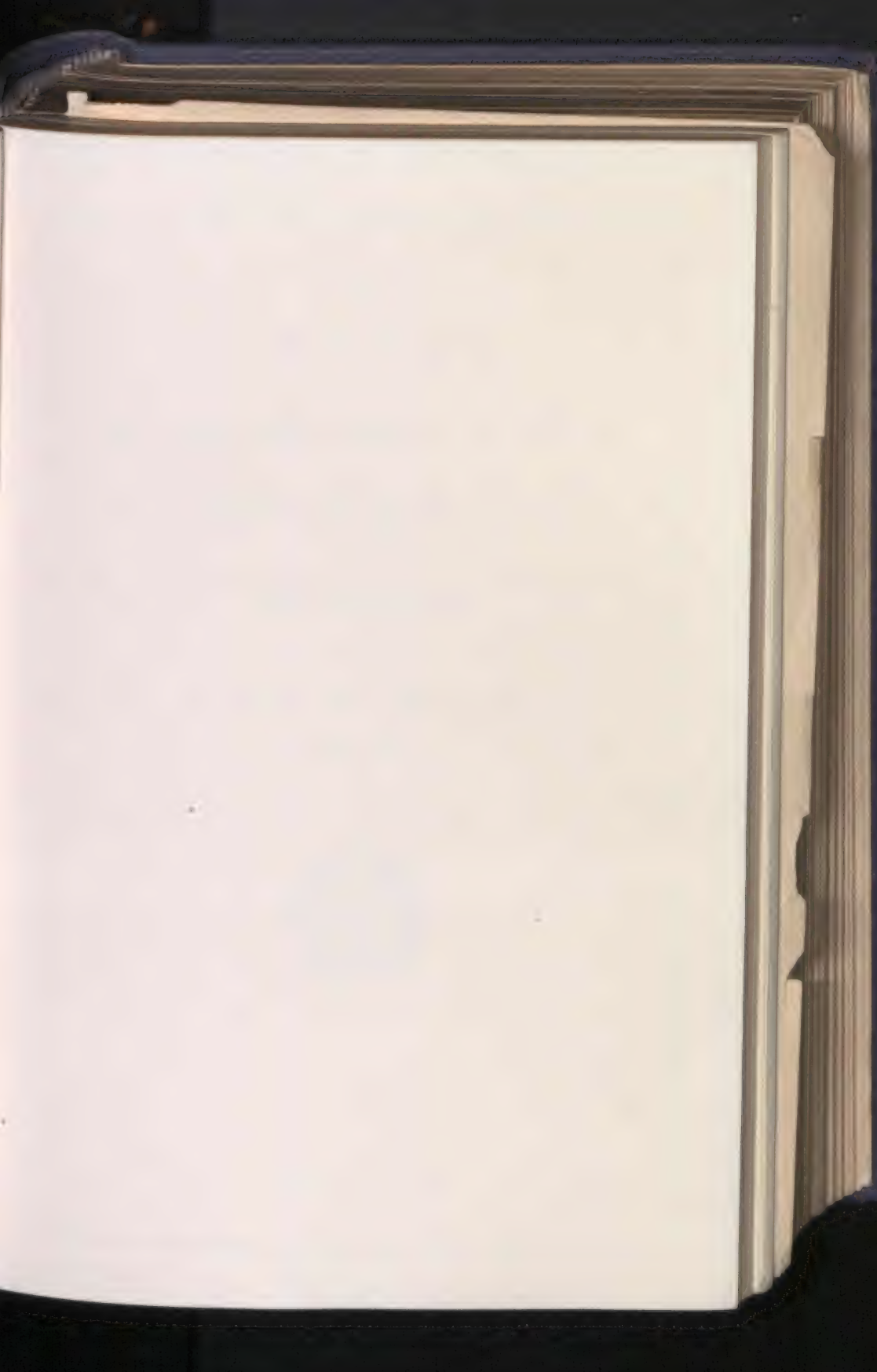
SEND ALL REQUESTS FOR SPEAKERS TO PROFESSOR WILLARD HAYES YEAGER,
DIRECTOR OF THE SPEAKERS' BUREAU, THE GEORGE WASHINGTON UNIVERSITY,
WASHINGTON, D. C.



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THE
GEORGE
WASHINGTON
UNIVERSITY

BULLETIN

COURSES IN EDUCATION
1931-32



WASHINGTON, D. C.

1931

THE
HISTORICAL
AND
GEOGRAPHICAL
DESCRIPTIVE
ATLAS



INTRODUCTORY

This bulletin contains a list of the courses to be given in the School of Education of The George Washington University in the academic year 1931-32. In the following introduction are pointed out some of the important features of these courses.

THE ATTITUDE OF THE SCHOOL OF EDUCATION

The School of Education is particularly interested in assisting and improving teachers in service. While the School encourages the study of theoretical and research courses, it is also concerned regarding the application of such courses to actual teaching situations, for too often the influence of these college courses is felt only slightly beyond the four walls of the classroom. Although a lecture course on curriculum may reach far enough to modify the conduct of pupils in a distant classroom, the School prefers not to depend too much upon this indirect method of improving educational technique, but rather to study as directly as possible actual classroom conditions and the activities in which the pupils are engaged.

ANNOUNCEMENTS

A part of the policy of the School of Education is to make available to its students the services and instruction of outstanding authorities in the field of Education. Some interesting additions to the present staff are being made and still others are planned for the future.

Beginning with the academic year 1932-33 Dr. F. J. Kelly, of the United States Office of Education, will become Lecturer in Education in charge of higher education. Dr. Kelly will offer courses in College Curriculum and in Experimental Education.

During the Summer Sessions of 1932 Professor J. M. Glass, of Rollins College, will offer courses for junior and senior high-school teachers.

During the same Summer Sessions Miss Ethel Mabie, of Madison, Wisconsin, will offer three courses for teachers of English. These courses will be of service to teachers of English from kindergarten through high school.

Among other important figures in the field of Education who, it is expected, will join the staff of the University during the next year or so, are R. L. Lyman and Rollo M. Tryon, both of the University of Chicago.

Of outstanding importance in the history of the School of Education is the coming of Dr. Lois Coffey Mossman, of Columbia University. Professor Mossman will give a course in Industrial Arts during the first semester of the academic year 1931-32, as stated elsewhere in this bulletin.

The coming of Dr. Mossman is but the beginning of a plan to bring many other prominent educators to the School of Education of The George Washington University.

DESCRIPTION OF COURSES

The first semester of Education 143-44, Industrial Arts, will be offered by Dr. Lois Meek Mossman, of Columbia University; it will be a lecture course concerned primarily with the specific problems of the city of Washington in organizing the Industrial Arts program. The second semester of this course will be under the direction of Professor French, assisted by Miss Ethel Bray, Director of Fine and Industrial Arts, Washington, D. C., and by others. This second course will be concerned primarily with the applications to actual classroom situations.

Education 145-46, The Social Studies, will be offered by Professor French, assisted by others in the second semester. The first semester of this course will deal with the general problems of research in the social studies during recent years; emphasis will be given to objectives, courses of study, type attacks on the problem, schools of thought, committee reports, etc. For this semester, or a large part of it, teachers from kindergarten to college will be admitted, in order that the problems of unification and integration may be stressed.

In the second semester, or possibly in the latter part of the first, this course will be divided into three sections. The first section will study critically the Social Studies in the kindergarten and the first three grades; the second section will study grades four, five, and six; and the third section will study the problems peculiar to the junior and senior high schools.

In addition to the study of theoretical issues this course will be concerned with the working out of units of subject-matter, the testing of these units, and the setting up of criteria for evaluating "activities." The setting up of these "activities" will be a major problem and will make this course closely related to the course in Industrial Arts.

Education 211-12, Educational Origins, is a graduate course in the history of education in the United States. The first semester will be given to the study of one problem on the part of each student, with emphasis on research technique. The second semester will be given to the recent period, in which emphasis will be put on the reports of national committees. Each student will survey the reports in the field in which he may be teaching. This course is suitable for high-school teachers and for elementary-school teachers.

COURSES FOR SECONDARY-SCHOOL TEACHERS ONLY

The work of secondary education has been extended by the addition to the Faculty of Assistant Professor Mitchell Dreese, specialist in tests

and measurements. Dr. Dreese will offer fundamental courses in principles and technique of teaching, and also undergraduate and graduate courses in mental and educational tests, with special reference to their uses in the high-school-subject fields.

The fundamental courses in secondary education, the high school and junior high school, will be offered by Associate Professor J. Orin Powers each semester. These courses qualify for admission to the senior and junior high-school examinations respectively. Special attention is called to Education 155, Guidance in Secondary Schools, and Education 156, Extra-curricular Activities. These courses emphasize the practical phases of the administration of guidance and the extra-curricular activities in junior and senior high schools. They are planned to be of definite assistance to teachers who must participate in the administration of these important and necessary activities in the modern high school.

Education 251-52 is designed for graduate students who are working upon theses and for others who desire to do research problems in secondary education. The opportunity will be given for outlining and executing and for the criticism of theses.

Education 285-86, Seminar in High-school Supervision, will present a brief survey of practices with reference to the general field of high-school supervision. The second semester will be devoted to an intensive study of the organization, methods, and evaluation in specialized high-school-subject fields. This course is designed for high-school teachers and students in preparation for high-school teaching, as well as for supervisors.

Problems of industrial education, upon the secondary-school level, will be treated in Education 173-74, Industrial Education. The course for the fall semester will treat of special methods in industrial education in junior and senior high schools and in vocational schools. The second semester will be devoted to a study of human relations with special application to the problems of industrial teachers.

ACTIVITY PROGRAM

Many of the courses offered in the academic year 1931-32 will deal directly or indirectly with units of work and with activity programs. In Education 143-44 and Education 145-46 one of the major problems will be the setting up of an activity program. This will include not only a study of the activities as such, but also the working out of criteria by which to evaluate these activities. On the high-school level Dr. Powers will make a vigorous attack on an activity program in Education 156. On the primary level Dr. Dreese will survey what America is doing with "activities" in Education 115. In these courses will be brought together the best practices and the best writings on activities and units of work.

FEES

Fees in the School of Education are as follows: University fee, for all students, for each semester or for any part thereof, \$8.00; tuition fee, for each semester-hour credit of courses taken, \$8.00.

On the following pages are listed the courses in Education which will be given in the academic year 1931-32. For a copy of the University catalogue and any further information, address the Registrar, The George Washington University, Washington, D. C.

EDUCATION

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

*William Carl Ruediger, Ph.D., *Dean of the School of Education and Professor of Education.*

William Cullen French, Ph.D., *Professor of Education, Executive Officer.*

Frank Washington Ballou, Ph.D., *Professorial Lecturer in Education.*

Jessie Elizabeth La Salle, A.M., *Professorial Lecturer in Education.*

Edgar Creighton Higbie, Ph.D., *Professorial Lecturer in Education.*

Roy Oren Billett, Ph.D., *Professorial Lecturer in Education.*

Anna Dorothea Halberg, A.M., *Professorial Lecturer in Education.*

J. Orin Powers, Ph.D., *Associate Professor of Education.*

Mitchell Dreese, Ph.D., *Assistant Professor of Education.*

Mybert Eustace Broom, A.M., *Visiting Assistant Professor of Education.*

Maude Eleanor Aiton, A.M., *Lecturer on Americanization.*

Lewis Raymond Alderman, A.B., *Lecturer on Adult Education.*

Earl Wingert Barnhart, B.L., *Lecturer on Commercial Education.*

Florence Van Auken Watkins, B.S., *Lecturer on Parental Education.*

Charles Ricketson Allen, A.M., Sc.D., *Lecturer in Education.*

Victor Herbert Noll, Ph.D., *Lecturer in Education.*

Lois Coffey Mossman, Ph.D., *Lecturer in Education.*

Minimum requirements for the major: twenty-four semester-hours, in addition to History of Education, Observation, and Practice Teaching.

SECOND GROUP

- | | | |
|-----|---|----------|
| 102 | <i>Educational Psychology</i> (3)
See Psychology 102 and 104. | Hunt |
| 105 | <i>Character Education</i> (2)
Materials and methods of character development in the home, school, and community. Saturday, 9.10 to 11.00 a.m. | La Salle |
| 106 | <i>The Exceptional Child</i> (2)
Gifted, backward, subnormal, neurotic, and morally and socially inadequate children. Standard tests and other methods of measuring individual differences. Saturday, 9.10 to 11.00 a.m. | La Salle |

* On sabbatical leave 1931-32

- 108 *Effective Study* (2) La Salle
Prevalent weaknesses in study and their causes. Finding and organizing fundamental ideas; attacking assignments; using syllabi; note-taking; outlining; summarizing; memorizing. Special attention is given to supervised study. (Not given 1931-32).
- 109-10 *Child Development* (2-2) Hudson
A review of the existent knowledge in the physiological, psychological, and psychiatric development of children. Wednesday and Friday, 4.10 p.m.
- 111 *History of Education* (3) French, Powers
A course in the development of educational theory and practice from ancient times to the present. Tuesday, Thursday, and Saturday, 9.10 a.m.
- 112 *History of American Education* (3) French
The development of the American school system, with special reference to administrative features and social relationships. Tuesday, Thursday, and Saturday, 9.10 a.m.
- 115 *Technique of Teaching* (3) Dreese, Halberg
The principles underlying the teaching process, with special reference to the development of understandings, attitudes, and skills. Prerequisite: General Psychology. Monday, Wednesday, and Friday, 9.10 a.m.
- 116 *Principles of Education* (3) Dreese
The bases, meaning, and objectives of education as related to the curriculum and to social needs and values. Prerequisite: General Psychology. Monday, Wednesday, and Friday, 9.10 a.m.
- 119 *The Teaching Process* (2) Dreese
Parallel with Education 115, but designed for teachers with experience. Prerequisite: General Psychology. Tuesday and Thursday, 4.10 p.m.
- 120 *Philosophy of Education* (2) Dreese
Parallel with Education 116, but designed for teachers with experience. Prerequisite: General Psychology. Tuesday and Thursday, 4.10 p.m.
- 126 *Teaching of Home Economics* (3) Kirkpatrick
This course treats the application of psychological principles to the teaching of Home Economics subject-matter. Tuesday, Thursday, and Saturday, 9.10 a.m.

- 128 *Observation* (3) Powers
Observation of experienced teachers, under guidance, followed by conference. The course should normally be taken in the junior year. Hours to be arranged.
- 129 *Practice Teaching* (3) Powers
Teaching under supervision, with criticism. The course should normally be taken in the senior year. Hours to be arranged.
- 133-34 *Tests and Measurements* (3-3) Dreese, Broom
First semester: tests and examinations; objective tests; standardized tests; relation to teaching and supervision. Second semester: tests in specific subjects, with special reference to secondary education. Monday, Wednesday, and Friday, 4.10 p.m. See also Psychology 119, 119X, and 251-52.
- 143-44 *Industrial Arts* (2-2) Mossman, French, Bray
A course on the correlation of art, home economics, and manual activities in the elementary school. Tuesday, 7.30 to 9.30 p.m.
- 145-46 *The Social Studies* (2-2) French, Hill
Historical setting; survey of courses of study and contemporary literature; methods of teaching. Wednesday, 7.30 to 9.30 p.m.
- 147-48 *Elementary Education* (2-2) French, Broom
Psychology of the elementary-school subjects. Analyses of the learning processes in reading, composition, arithmetic, geography, history, etc., with special reference to methods of instruction. Tuesday and Thursday, 5.10 p.m.
- 149-50 *Elementary-school Curriculum* (2-2) French
Principles of curriculum construction; objectives of elementary education; organization of subject-matter; examination of curricula, syllabi, and texts. Tuesday and Thursday, 4.10 p.m.
- 151 *The High School* (3) Powers, Billett
Aims and functions; reorganization; program of study; guidance; standardization; plant; teaching procedures. Monday, Wednesday, and Friday, 11.10 a.m.
- 151X *The High School* (3) Powers
Same as Education 151, but given second semester. Monday, Wednesday, and Friday, 5.10 p.m.

- 152 *The Junior High School* (3) Powers
Special purposes and appropriate organization; program of studies; classification of pupils; history of the movement. Monday, Wednesday, and Friday, 11.10 a.m.
- 152X *The Junior High School* (3) Powers
Same as Education 152, but given first semester. Monday, Wednesday, and Friday, 5.10 p.m.
- 155 *Guidance in Secondary Schools* (2) Powers
Administration of educational and vocational guidance in junior and senior high schools; vocational information; utilizing test results and school marks; organizing the staff for guidance. Prerequisite: General Psychology and Education 151-52 or the equivalent. Tuesday and Thursday, 4.10 p.m.
- 156 *Extra-curricular Activities* (2) Powers
Types of activities in junior and senior high schools; aims and values; practices in organizing, administering, and supervising; methods of evaluation. Prerequisite: Education 151-52 or the equivalent. Tuesday and Thursday, 4.10 p.m.
- 158 *Teaching of English* (3) Croissant
Tuesday, Thursday, and Saturday, 11.10 a.m.
- 159 *Oral Methods in Education* (2) Yeager
Organization of high-school and college courses; methods of teaching reading, interpretation, dramatics, public speaking, and debate; coaching of debates and plays; standards of criticism. Prerequisite: six hours of Public Speaking or permission of the instructor.
- 161-62 *Parent-teacher Movement* (2-2) Watkins
First semester: objectives and significance; national, State, and local organizations; fields of activity; relation to educational, social, and welfare agencies. Second semester: parental education; efficient child training; the home and school as social institutions; home and school cooperation; helpful parent-teacher programs. Monday, 7.30 to 9.30 p.m.
- 165-66 *Americanization* (2-2) Aiton
Methods of teaching English, civics, and related subjects to foreigners. Consideration will be given to racial backgrounds, immigration laws, naturalization laws, and conceptions of Americanization. Tuesday and Thursday, 6.10 p.m.
- 169-70 *Adult Education* (3-3) Alderman
A course emphasizing the organization of adult education in

the community, its special reference to the use of libraries, museums, clubs, workers' education, special lectures and forums, and other educational agencies. Tuesday, 7.30 to 9.30 p.m., and field assignments.

- 173-74 *Industrial Education* (2-2) Allen
Hours to be arranged.
- 177-78 *Commercial Education* (3-3) Barnhart
Curriculum-making for commercial subjects in secondary schools. First semester: objectives and curriculum-making; procedures for commercial courses and subjects. Second semester: curriculum-making and course-of-study construction in selected subjects for different kinds of secondary schools. Tuesday, 7.10 to 9.00 p.m.
- 184 *School Administration* (3) Powers
Present status and tendencies in organization and administration of school systems, with interpretations; problems of administration. (Not given 1931-32.)
- 186 *Supervision* (3) Powers
(Not given 1931-32.)
- 187-88 *The Elementary-school Principalship* (2-2) Higbie
First semester: the functions and opportunities of the school principal. Second semester: the principles and practices of constructive supervision. Thursday, 7.30 p.m.

THIRD GROUP

- 211-12 *Educational Origins* (3-3) French
A study of the development of American educational institutions, ideals, practices, curricula, and textbooks as revealed by documentary evidence. Monday, 7.30 to 9.30 p.m.
- 247-48 *Seminar* (3-3) French
Experimental education; a survey of inductive studies; investigations and reports. (Not given 1931-32.)
- 249-50 *Seminar in Curriculum* (3-3) French
A survey of current tendencies, combined with research studies by members of the class. Thursday, 7.30 to 9.30 p.m.
- 251-52 *Seminar* (3-3) Powers
Research problems in secondary education. Primarily for graduate students who are working on theses or other research problems. Tuesday, 7.30 to 9.30 p.m.

- 253-54 *The High-school Curriculum* (3-3)
A survey of current tendencies, combined with research studies by members of the class. Monday, 7.30 to 9.30 p.m. (Not given 1931-32.)
- 279-80 *Seminar* (3-3) Ruediger
A study of teacher-training institutions, curricula, and methods, with reference to European practices. (Not given 1931-32.)
- 283-84 *Research Problems* (3-3) Ballou
The direction of investigations in the field of public-school education. Consultation hours to be arranged.
- 285-86 *Seminar* (3-3) Powers
Topic for 1931-32: high-school supervision. Tuesday and Thursday, 6.10 p.m.
- 287-88 *Seminar* (3-3) Dreese, Broom
Mental and educational tests in relation to supervision. Tuesday and Thursday, 5.10 p.m.
- 291-92 *Thesis* (3-3) The Staff
Students working on Master's theses will register for this course. Friday, 7.30 to 9.30 p.m.

MATHEMATICS

The following courses in the Department of Mathematics are given particularly for teachers of Mathematics in high schools:

- 101 *Fundamental Concepts of Mathematics* (3) Woolard
Monday, Wednesday, and Friday, 6.10 p.m.
- 104 *Teaching of Secondary-school Mathematics* (3) Weida
Prerequisite: Mathematics 101. Monday, Wednesday, and Friday, 6.10 p.m.

THE
GEORGE
WASHINGTON
UNIVERSITY

BULLETIN

COURSES FOR SOCIAL WORKERS
1931-32



WASHINGTON, D. C.

1931

INTRODUCTORY

Courses for social workers are open to all regularly matriculated students of the University who have met the prerequisites of the lower division, Columbian College, and the stated prerequisites of each course (see the University catalogue). Special, or "University," students may enter the courses, with the consent of the instructor, if by reason of their training or experience they seem able to profit from the instruction.

Registration in The George Washington University for the fall semester of 1931 will take place September 19, 21, and 22. Students are urged to enrol on the days set for registration in order to avoid the payment of fees for late registration.

Fees in the Department of Sociology are as follows: University fee, for all students, for each semester or for any part thereof, \$8.00; tuition fee, for each semester-hour credit of courses taken, \$8.00.

The following program of courses in Sociology is offered for the first and second semesters of the academic year 1931-32. For a copy of the University catalogue and any further information, address the Registrar, The George Washington University, Washington, D. C.

SOCIOLOGY

Robert Russ Kern, A.B., *Professor of Urban Sociology.*

Dudley Wilson Willard, Ph.D., *Professor of Sociology, Executive Officer.*

Elwood Street, A.M., *Lecturer in Sociology.*

J. Blaine Gwin, A.B., *Lecturer in Sociology.*

Paul Benjamin, A.B., *Lecturer in Sociology.*

Minimum requirements for the major: Sociology 27-28, Anthropology 121-22, and fourteen additional hours in Sociology.

FIRST SEMESTER

- | | | |
|-----|---|----------|
| 27 | <i>Principles of Sociology</i> (3)
Section A, Monday, Wednesday, and Friday, 9.10 a.m.
Monday, Wednesday, and Friday, 5.10 p.m. | Willard |
| 111 | <i>Social Backgrounds of Education</i> (3)
Monday, Wednesday, and Friday, 6.10 p.m. | Willard |
| 135 | <i>Experimental Sociology</i> (3)
Monday, Wednesday, and Friday, 6.10 p.m. | Kern |
| 147 | <i>Urban Sociology</i> (3)
Monday, Wednesday, and Friday, 11.10 a.m. | Kern |
| 155 | <i>Principles of Social Case Work</i> (3)
Prerequisite: Sociology 27-28 or case-work experience.
Tuesday and Thursday, 6.10 to 7.30 p.m. | Gwin |
| 165 | <i>Administration of Social Work</i> (3)
Prerequisite: Sociology 27-28 or social-work experience.
Wednesday, 7.10 to 9.00 p.m. Field work to be arranged. | Benjamin |
| 173 | <i>Crime and Delinquency</i> (3)
Monday, Wednesday, and Friday, 10.10 a.m. | Willard |
| 261 | <i>Sociology Seminar</i> (3)
Hours to be arranged. | Willard |

SECOND SEMESTER

- | | | |
|----|---|---------|
| 28 | <i>Social Organization</i> (3)
Section A, Monday, Wednesday, and Friday, 9.10 a.m.
Monday, Wednesday, and Friday, 5.10 p.m. | Willard |
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|-----|---|---------|
| 114 | <i>Sociology of the Professions</i> (3)
Monday, Wednesday, and Friday, 6.10 p.m. | Willard |
| 136 | <i>Experimental Sociology</i> (3)
(Continuation of Sociology 135, above.) | Kern |
| 148 | <i>City Planning</i> (3)
Monday, Wednesday, and Friday, 11.10 a.m. | Kern |
| 156 | <i>Problems of Social Case Work</i> (3)
Prerequisite: Sociology 155 or case-work experience. Tuesday and Thursday, 6.10 to 7.30 p.m. | Gwin |
| 168 | <i>Community Organization</i> (3)
Wednesday, 7.10 to 9.00 p.m. Field work to be arranged. | Street |
| 176 | <i>The Modern Family</i> (3)
Monday, Wednesday, and Friday, 10.10 a.m. | Willard |
| 262 | <i>Sociology Seminar</i> (3)
Hours to be arranged. | Willard |

SUMMARIES OF DOCTORAL THESES
1929-31

THE
GEORGE
WASHINGTON
UNIVERSITY
BULLETIN

SUMMARIES OF DOCTORAL THESES
1929-31

WASHINGTON, D. C.

PUBLISHED IN MCMXXXI

BY THE UNIVERSITY

THE

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EXHIBITION

OF THE

ARTS

AND MANUFACTURES

OF THE

UNITED STATES

OF AMERICA

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PREFATORY NOTE

This number of the University Bulletin contains summaries of the theses which have been accepted during 1929-31, inclusive, as part satisfaction of the requirements for the degree of Doctor of Philosophy at The George Washington University. The original theses are filed in the University Library, where they may be consulted by students interested in examining the complete texts.

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MARKET MILK: INCREASING ITS FREEDOM FROM DISEASE-PRODUCING ORGANISMS AND CONTROL- LING THE PREPASTEURIZED BACTERIA-COUNT

By JAMES A. GAMBLE*

According to the 1925 census there are over 20,000,000 milking cows in this country, located on more than 4,500,000 farms. The annual milk production amounts to over 9,000,000,000 gallons, for which consumers pay each year a sum of money variously estimated at about \$5,000,000,000. Of that consumed as whole milk, it is calculated that 40 per cent, or 1,800,000,000 gallons, is pasteurized before consumption; and the balance, 2,700,000,000 gallons, is consumed raw, mainly in the smaller cities, towns and hamlets, and on farms of the country.

We are told† that "carefully compiled statistics of the milk supplies of American cities show that the present rate of milk consumption (in cities) is only about half sufficient to meet the requirements." We are also told that "a vigorous program of education by the health officers of the country would go far to encourage milk consumption to such an extent that a reduction of various nutritional disturbances of children and adults would ensue."

Leading authorities‡ tell us that "milk seems to be an ideal culture medium for bacteria." In this connection Hastings§ makes this startling announcement: "Milk constituted the channel through which probably more disease is transmitted than all other foods and drinks combined." This statement is supported by the records of the United States Public Health Service,|| according to which 884 different milk-borne epidemics have been reported since 1881 (see table 1).

In speaking of the relationship of impure milk to intestinal disorders in infants, Kelly and Leste¶ add this to the evidence: "Digestive disturbances are often associated with milk of high bacterial count due to dirt or age." They further say, "There is a close relationship between

* B.S., 1909, Connecticut Agricultural College; M.S., 1917, The George Washington University; Ph.D. conferred February, 1929.

† *Proceedings of the American Public Health Association*, Buffalo, N. Y. (October, 1926).

‡ L. A. Rogers, *Fundamentals of Dairy Science* (1928), p. 273.

§ C. J. Hastings, *Proceedings of the World's Dairy Congress*, Washington, D. C., (1923).

|| Charles Armstrong, T. J. Parron, and others, *Report of the United States Public Health Service*, supplement 62 (1927), p. 718. Summary (1924-27) by L. C. Frank.

¶ Ernest Kelly and C. E. Clement, *Market Milk* (1923), pp. 6, 27-30. Ernest Kelly and C. S. Leete, *United States Department of Agriculture*, circular 276 (1923).

milk of high bacteria content and infant mortality and morbidity; and when the purity of milk supplies is improved there is usually a reduction of infant mortality."

The decrease in milk-borne epidemics during recent years has no doubt resulted from the more widespread pasteurization of the product, from the enhanced efficiency of the process, and from greater care on farms. However, we still have milk-borne epidemics and perhaps will continue to have them until the milk supply of billions of gallons is so safeguarded during production and handling as to be kept free from pathogenic organisms, and the multiplication of bacterial inoculation, pathogenic and otherwise, is universally prevented.

In this connection it should be noted* that twenty-nine of the recorded milk-borne epidemics mentioned above *were from milk reported as pasteurized*. This indicates that the process, from the disease-prevention standpoint, is as yet not fool-proof.

To more effectively protect the general public from the transmission of disease organisms through milk, there must be a more effective prevention of contamination of milk with the bacteria which cause human disease. To arrive at this goal we must first universally face the present actual conditions, and not only devise effective control measures but also get them into common practice.

Not only must the present handler of milk on farms be led to understand more fully how to prevent bacterial contamination from himself, the stable, and other sources, but more important still, he must be so impressed with his opportunity for serving humanity that he will wish to see that this protection is continuously given.

In reducing contamination, emphasis should be placed on the need for washing of the hands of milkers before milking.

This study uncovers an astonishing meagerness of experimental data bearing on the kinds of bacteria present on the hands of the 4,500,000 workers who milk cows in this country. Volumes seem to have been written upon the need for sterilizing the hands before starting any operations on the human body, and rules are given for the different methods of sterilizing them; but little information is available on the flora of the hands of milkers.

Park† observes that "the hands play an important part in the spread of disease. Its structure and its function perfectly suit it for this office. Commonly, the germs get upon the hands directly from the excretions, and those microbes are then transferred to articles which gain entrance to the mouth."

* Charles Armstrong, T. J. Parron, and others, *Report of the United States Public Health Service*, supplement 62 (1927), p. 718. Summary (1924-27) by L. C. Frank.

† W. H. Park, *Public Health and Hygiene* (1927), p. 219.

According to McFarland,* "Hands not only touch every conceivable external object, but are brought into frequent contact with the various openings of the body, from which they must inevitably gather up nasal, oral, urinary, and fecal organisms, harmless and harmful. The important thing to be remembered in this connection is that the bacteria released into milk by hands are those picked up by the hand."

As long as human beings are heirs to diseases, there will be discharged from human bodies the organisms that cause such diseases; and, similarly, as long as bovine diseases are present in the body of the cow, these will be discharged into the urine and feces and find their way onto the hands of those who tend such cows, and from there to the milk itself.

PRESENT INOCULATION RANGE IN THE MILK SUPPLY

Table I illustrates the maximum and minimum bacterial inoculation, mostly made up of non-pathogenic bacteria, which takes place in the milk supply. The curtailment of inoculation is essential in order to prevent deterioration in the milk supply. The average production, in the second column, of 46,700 per cubic centimeter, and the neglected supply, with 255,800 in the third, represent different degrees of the same problem.

TABLE I. NUMBER OF BACTERIA PER CUBIC CENTIMETER COMING FROM DIFFERENT SOURCES AND FOUND IN MILK OF DIFFERENT CLASSES

SOURCE	CHARACTER OF MILK		
	Carefully produced	Average production	Neglected supply
Udder.....	1,000	1,000	1,000
Hands of milker.....	10	100	500
Barn air.....	10	100	500
Milking pails.....	100	10,000	67,000
Manure and dirt.....	1,000	10,000	83,800
Strainers.....	10	500	1,000
Shipping cans.....	100	25,000	100,000
Total.....	2,230	46,700	255,800

The last column reflects what is to be too often expected on farms where milk is a by-product and where no real attempt is made to keep the hands of the milkers, the utensils, or the cows clean. While it has been shown

* Joseph McFarland, *Fighting Foes Too Small to See* (1924), p. 309.

that wantonly careless handling may result in the introduction into milk, during its production, of 150,000 bacteria per cubic centimeter, the combined inoculation from all these sources seldom reaches as much as that at milking time.

In practice, nevertheless, the bacteria-counts of whole city milk supplies too often reveals the fact that the milk contains millions of bacteria by the time it reaches the market. In Baltimore, for example, milk reached that city with average monthly bacteria-counts of from 1,000,000 to over 5,000,000 per cubic centimeter during twenty-three months in the six years from 1922 to 1927, and from four to ten times that number during the four hottest months in that period. Comparing these results with the inoculation shown at milking time, it is apparent that these high counts are not due to high inoculation but to the multiplication of the bacteria after entrance into the milk. Time and temperature, then, are the two major factors in permitting or retarding the multiplication (and thus controlling the numbers) of both pathogenic and non-pathogenic organisms gaining entrance to milk previous to pasteurization.

The following by Park* shows the effect on the numbers when milk is held for different lengths of time at different temperatures.

TABLE 2. EFFECT OF TIME AND TEMPERATURE ON GROWTH OF BACTERIA IN MILK

TEMPERATURE (F.) AT WHICH HELD	BACTERIA COUNT	
	After 24 hours	After 48 hours
39.....	38,000	56,000
50.....	89,000	1,950,000
60.....	900,000	168,000,000

MILK-COOLING RESEARCH

In order to supply basic information that would help farmers to more effectively cool milk and thus lessen the ill effect to infants from the enormous bacterial multiplication now too often taking place, the following work was carried on by the writer. These experiments determined, among other things, the loss of heat during surface cooling; the relative efficiency of cooling tanks of different construction, handled under varying conditions; the most efficient methods of cooling and storing milk on the farm; and the best methods of transporting milk at low temperatures to market.

The following table shows the comparative flow of heat, during surface cooling, from the warm milk to the colder water and to the air and utensils.

* W. H. Park, *Journal of Hygiene*, 1: 391 (1901), table 3.

TABLE 3. EXCHANGE OF HEAT BY MILK, WATER, AIR, AND UTENSILS DURING SURFACE COOLING

Water temp. F.	Approximate air temp. F.	Rise in water temp. F.	Heat gained B.T.U.	Water used lbs.	Warm milk temp. F.	Fall in milk temp. F.	Heat lost B.T.U.	Milk used lbs.	Temp. to which cooled F.	Heat lost to air and utensil B.T.U.
50°	50°	3.3°	2184	662	91.6°	39.3°	3210	96	52.5°	1026
55°	55°	3.6°	2430	575	93.5°	36.7°	2999	86	56.8°	569
60°	60°	2.7°	1852	686	92.4°	30.6°	2400	86	61.8°	548
70°	70°	2.6°	1924	740	92.8°	21.6°	1756	86	71.2°	169

This experiment emphasizes the importance, during surface cooling, of low temperature in water while removing heat from warm milk.

The length of time found necessary to cool milk to 50° F. when held in a storage tank, after it had first been precooled over a surface cooler with water at 50°, 55°, 60°, and 70° F., was 20 minutes, 43 minutes, 1 hour and 15 minutes, and 2 hours and 10 minutes, respectively. When the milk was *not* surface cooled in advance, the storage time necessary to complete the cooling of the milk to 50° F. was found to be 1 hour and 20 minutes, 1 hour and 25 minutes, and 2 hours and 25 minutes.

To determine the best construction and location for the cooling tank, tests were made to ascertain the relative milk-cooling efficiency of tanks made of galvanized iron, concrete, wood, and cork-insulated material, both indoors and outdoors, with and without covers.

TABLE 4. HEAT ABSORBED BY WATER AND TANKS IN NINE HOURS UNDER DIFFERENT CONDITIONS

TYPE OF TANK	B.T.U.			
	Outdoors uncovered	Outdoors covered	Indoors uncovered	Indoors covered
Galvanized iron.....	24,200	15,950	15,400	12,100
Concrete.....	19,800	12,650	11,550	8,800
Wood.....	15,400	5,500	7,150	4,400
Insulated.....	11,550	1,650	4,400	1,100

RESULTS OF EXPERIMENTAL SHIPMENTS

To determine the relative efficiency of ordinary milk cans, as compared with jacketed and insulated cans, in keeping milk cold during long shipments, the following experiment was conducted:

Four 10-gallon cans were employed, No. 1 being insulated, No. 4 having a 1-inch felt jacket, No. 5 having a $\frac{1}{2}$ -inch felt jacket, and No. 6 being the ordinary milk can. The cans were filled with milk cooled to 44° F. and shipped in a baggage car from Washington, D. C., to New Orleans, Louisiana, a distance of 1,120 miles.

The milk in the ordinary can reached 60° F. after it had traveled about 10 miles from the farm; the milk in the can covered with a $\frac{1}{2}$ -inch felt jacket reached 60° F. after approximately 266 miles of travel; the milk in the can covered with a 1-inch felt jacket reached 60° F. after 332 miles; and that in the insulated can after 650 miles. Compared with the ordinary can, the $\frac{1}{2}$ -inch jacketed can allowed milk to be shipped 26 times as far, and that in the insulated can 65 times as far.

Based upon the above milk-cooling research work, the following suggestions can be made to milk producers.

MILK-COOLING DIRECTIONS

1. Cool to 50° F. or lower and hold milk at that temperature. To accomplish this, ice is *nearly always necessary*. If ice is not obtainable, arrange for running water in the milk storage tank.
2. A surface cooler saves time and ice. It cuts the ice bill in half and immediately lowers the temperature of the warm milk to within two or three degrees of the temperature of the coldest water on the farm, if such be used.
3. A cooling tank in a milk house is a necessity for final cooling and for storage. Insulated concrete tanks are the most efficient and cheapest in the end.
4. Have the tank water at 40° F. or below before milking. In addition, at least two pounds of ice in the storage tank is needed for every gallon of milk to be stored, if the milk is first cooled over the surface cooler to 58° F. or below.
5. Start water running through the surface cooler. For every gallon of milk to be cooled, approximately ten gallons of cold water should pass through the surface cooler.
6. Pour milk over the cooler as soon as drawn. It should flow evenly over the cooler and be cooled to within two or three degrees of the water.
7. Be sure that all cans into which milk is put for cooling and storage are *clean and sterilized*.
8. When a can is filled from the surface cooler, set it into the ice tank immediately.
9. Keep cans in this storage tank until ready to ship, and during hauling to the station and transportation to the city protect them with felt jackets.

APPLICATION OF CONTROL ESSENTIALS AND RESULTS

A demonstration, under controlled conditions, of the effectiveness of the major factors in lowering the bacterial count of milk is shown in the milk-production contests among students trained by the writer at the University of Maryland.

TABLE 5. BACTERIA-COUNTS IN MILK PRODUCED BY STUDENT TEAMS AT THE UNIVERSITY OF MARYLAND

Team number	Average count per cc.	Team number	Average count per cc.	Team number	Average count per cc.
1.....	1100	6.....	2800	11.....	2400
2.....	600	7.....	1800	12.....	1800
3.....	1100	8.....	2200	13.....	1700
4.....	800	9.....	1200	14.....	600
5.....	1100	10.....	1200	Average.....	1460

From September 1, 1925, and for two years thereafter, the writer was responsible for the quality and the quantity of the milk supply of the Western Maryland Dairy Corporation, whose daily supply consisted of more than 30,000 gallons, produced on over 2,500 different farms.

SUMMARY AND SUGGESTIONS

The following major requirements for safer milk seem to constitute the minimum consistent with safety and the needs of the situation:

1. Cows and milkers that respond to every test for soundness.
2. Thorough sterilization of utensils, careful cleaning of cows' udders, careful washing of milkers' hands, milking only into covered pails, and efficient straining.
3. Immediate cooling and storage of the milk at 50° F. or below.
4. Careful, controlled pasteurization.

It is evident to those who have studied the question that securing milk quality and safety has been and is now being retarded by a lack of definite understanding, on the part of all concerned, as to just what is needed to make the control-work more effective. This view is confirmed by the continued milk-borne epidemics, which point out that our milk-control system, nationally considered, is still imperfect. The present "scrambled set-up" permits of no effective leadership, no uniform national program; hence milk producers and milk distributors, in the presence of conflicting opinion among health officials, are not doing their best.

SIMPLIFICATION OF PRODUCTION REQUIREMENTS

While knowledge regarding production essentials has become rather general during the past ten years, regulations drawn before that time continue on the statute books. It has been well said that textbooks per-

taining to essentials of milk production which are ten years old are in the discard. The only textbooks which live are those continuously revised. Unfortunately for results, this has seldom taken place with milk and cream regulations.

THE DAIRY-FARM SUPERVISOR—QUALIFICATIONS AND SUPPORT

While rules and regulations have in themselves no mysterious power of bringing about improved conditions, yet when to these are added the efforts of a competent supervisor, they do become of value in bringing about better conditions in the production of milk.

Fortunately also for the supervisor who is just starting in the work, research, showing the bacteriological results of each successive step in milk handling during production, are at his disposal. These give the range of contamination which may be expected under the different production and handling practices on the farm and in transit as the milk passes from the cow to the consumer. The supervisor should also be well grounded in the economics of the farming industry and should be trained sufficiently in the dairy arts to interpret correctly the reasons for high counts in milk. Only those of the supervisor's suggestions which the dairyman puts into practice at each milking are effective in preventing deterioration in milk quality.

COOPERATION WITH MARKETING ASSOCIATIONS

Much of the lack of progress in the past has been due to the work being done with individuals rather than with groups.

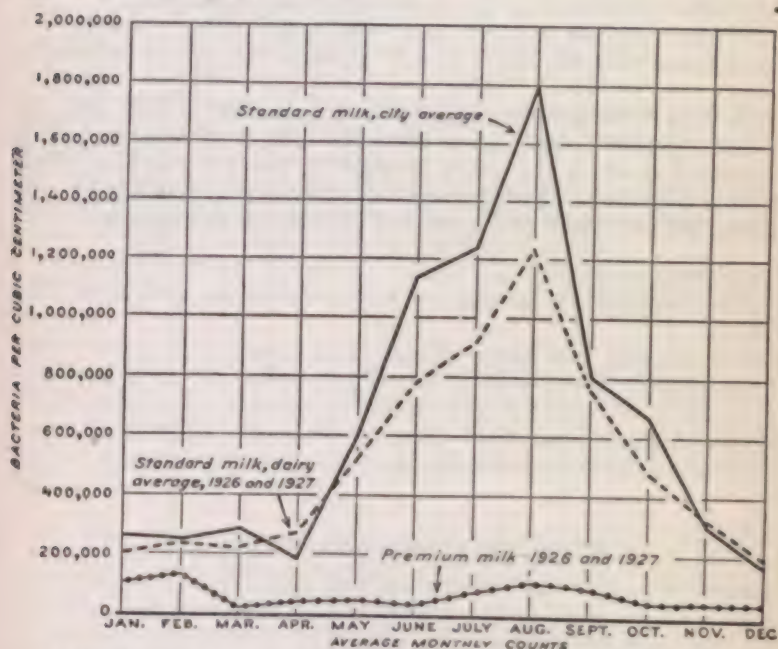
Fortunately for the situation, milk producers in most of the large shipping areas are now organized into market groups, each a part of a large national organization. Such organizations were not in existence ten years ago, but now that we have the market-milk industry organized in a national way, its leaders may be expected to look after the interests of the producer on a country-wide basis.

SYSTEMS OF BUYING BASED UPON LOW BACTERIA COUNTS

Moral suasion has its limits in a program which has for its object permanent and continuous milk improvement. The further each milk supply advances from its original unregulated status, the less influence moral suasion has in securing still further improvement.

From the evidence offered in this paper it is apparent that all milk, whether reaching the consumer as certified, grade A, grade B, or grade C, or unfit for consumption, meets the exacting requirements of certified milk when the healthy cow gives it. The writer believes that the production of clean and reasonably safe milk is easily within the reach of all careful dairymen, if they are paid a price sufficient to induce them to become interested in its production.

Success in getting this done by securing for him payment for the character of milk he produces, is reflected in the accompanying chart. Here is shown graphically, for the years 1926-27, the monthly bacteria count of the Baltimore city supply and that of the Western Maryland Dairy Corporation as compared with that part of the latter's supply which was bought on a quality basis. The lower line represents milk for which an average of 2.5 cents a gallon over and above the regular market price was paid.



Effect of paying a premium for milk of low bacterial content, Baltimore, 1926 and 1927. Standard milk, city average, the entire city supply of Baltimore. Standard milk, dairy average, the supply of the Western Maryland Dairy Corporation. Premium milk, that for which the Western Maryland Dairy Corporation paid the farmers according to the bacteria-count of milk delivered.

It will be observed in the graph that the farm contamination of premium milk was about half that of the regular city supply and that there was much more complete control as far as multiplication was concerned.

This graph very strikingly indicates that unification and simplification of control and competent health agents need the support of such a buying system as the above in order to secure permanently the production of milk with low prepasteurized bacteria content.

SUMMARY

To hasten the time when every cow which contributes to the milk supply, and every milker in this country, will respond to every test for soundness, the following changes in present practice are earnestly recommended:

1. Unification of control and requirements.
2. Simplification of production requirements.
3. Better qualification on the part of dairy-farm supervisors.
4. Full cooperation with milk producers' marketing associations.
5. Systems of buying milk which pay premiums for milk of low bacteria-count.

When these changes come into universal operation, the milk produced on over 4,500,000 farms, by over 20,000,000 cows in this country, will be maintained closer to the purity in which it leaves the udders. Then America will have a milk supply with a much lower prepasteurized bacteria content and to a much greater extent free from disease organisms.

THE OHIO RIVER AS AN ARTERY OF COMMERCE

BY HOWARD HANNA MARTIN*

PURPOSE OF THE DISSERTATION

It is the purpose of this dissertation to carry out a specific investigation looking toward the future utilization of the Ohio River as a profitable commerce-carrying part of the American inland waterway system. In pursuing this study the procedure is essentially as follows:

1. A brief discussion of the transportation history of the Ohio River, showing the various stages of its economic development and, in so far as possible, the cause back of each change.
2. A discussion of methods employed in improving the channel of the river for navigation, endeavoring to bring out in some detail the present system of permanent retaining dams and their operation.
3. An investigation of typical carriers (steamers, barges, towboats) suitable for river use and the proper organization of river transportation services.
4. A study of terminal facilities (public rather than private) suitable for inland rivers with fluctuating levels, including specific descriptions of transfer machinery and types of commodities handled.
5. A brief analysis of traffic and rates—necessarily tentative because the final improvement of the Ohio will radically alter both rate structure and amount of traffic handled.

THE DECLINE OF RIVER TRANSPORTATION

Notwithstanding the fact that boats preceded railways in America and that boat lines were already well established long before the first rail was laid, the railroads have been able to absorb the major share of America's carrying trade. While the causes for the decline of waterways are varied, three basic reasons are outstanding: (1) natural superiority of the railroad in flexibility and speed; (2) failure to improve channels and provide interchange facilities; (3) unfair competition by the railroads.

While the use of inland waters and canals was declining both relatively and absolutely, the extension and development of other transport media—a great railway net, public highways for vehicles, cheap and efficient freight-steamer service on the Great Lakes—was proceeding rapidly. The rapid development of motor transport within the past twenty years has caused the building of a national highway system from coast to coast; still more recently air transport has become a commercial success. With

* B.S., 1922, University of Pennsylvania; A.M., 1923, The George Washington University; Ph.D. conferred February, 1929.

attention fixed upon these growing systems of transport and communication, the public has been generally indifferent to river haulage. At best the latter has been regarded as an inferior duplication of railway freight service, and the question has arisen: Does America need inland-water transportation, particularly on her rivers and canals?

REVIVAL OF INTEREST IN INLAND WATERWAYS

Not until the time of the Conservation Movement under President Roosevelt, in the early years of the twentieth century, was there any general comprehension of the significance of inland waters for transport. The report of the National Commission for the Conservation of Natural Resources (1910) stressed the value of waterways to the nation, and the first genuine coordinated policy of national waterway improvement began to take form. This was accentuated in the commercial and financial mind of the nation by the breakdown of railway transportation during the panic of 1907. In 1917-18 railways again collapsed under the added strain of war efforts. In this emergency the Railroad Administration turned to the inland rivers as a potential auxiliary, and a hastily organized and equipped steamer and barge line was inaugurated upon the Mississippi and Warrior Rivers. The war ended before the new water service had demonstrated its worth, and the railways were gradually able to untangle their affairs and return to normal. Thereafter public interest in waterways did not entirely lapse, and encouragement soon came from official sources.

WATERWAY PROGRAM A NATIONAL ISSUE

For many years the question of inland-waterway improvement suffered in the public mind because it was considered purely a sectional matter. All of the more recent projects, however, have been approved by the United States Army Corps of Engineers, and the entire waterways program is now being sponsored by able and far-seeing men free from local-interest motives.

The waterway-railway controversy is entirely outside the province of this paper; the Ohio deep-water improvement is, therefore, treated as an accepted fact and its possibilities studied as part of a national transportation system. The policy of the Government definitely calls for the completion of the Ohio channel. Of all the inland streams where extensive improvements have been made, the Ohio seems the most promising as a heavy traffic carrier. It will therefore furnish a valuable test case for the general problem of future inland-waterway development.

The early engineers who studied the Ohio with a view to improving it for navigation did not contemplate any far-reaching or expensive alterations in the channel. It is significant that the development and improvement of the Ohio River did not enter the present, modern stage—that of

slack-water pools and a permanent channel secured by a series of dams—until after traffic on the rivers had begun to decline and the parallel railroads began to offer greater competition to river shipping. During the many years in which Congress had been appropriating funds at random for the removal of snags, sand bars, and sunken river craft, the United States Army Engineers were engaged in studying the problem of the Ohio. The purpose of this study was to discover or develop a type of dam which would provide a sufficient depth of water to permit navigation during the dry seasons of the year and at the same time not impede too greatly the run-off of the periodic floods and freshets which characterize this stream.

THE FLOOD PROBLEM

Even in normal seasons the Ohio is subject to great variation in level. An example of this fluctuation, which is proportionately reflected elsewhere, is found at Cincinnati, where an annual range of forty to fifty feet is common, with a maximum flood stage of more than seventy feet. Hence, any plan or attempt at channel improvement, the construction of dams, or the erection of terminal facilities, must necessarily make the flood problem a major consideration.

The Corps of Engineers, after studying the inland-waterway facilities of several European countries, reached the decision that the Chanoine wicket-type dam, such as they had found on the Seine, the Loire, and the Meuse Rivers, was particularly suitable to the problem at hand and that with modifications it could be advantageously employed on the Ohio and Big Kanawha Rivers. In addition to its masonry and locks, this type of dam provides a series of hinged panels or "wickets" in the center of the channel; these can be dropped to the bottom of the river in time of flood and raised to normal position in time of low water. For use on the Great Kanawha and the Ohio, with their rapid and frequent floods, this type of dam is superior to one in which a constant, unvarying, and unvariable height is maintained.

THE NINE-FOOT CHANNEL

Earliest improvements on the Ohio called for a six-foot depth, but far-seeing engineers, anticipating future demands, were instrumental in obtaining the passage of an amendment authorizing construction of a nine-foot, slack-water channel the entire length of the Ohio River. The plan adopted provided for a series of some fifty dams of the movable-wicket (Chanoine) type, to be located at advantageous points along the entire route, each dam to be provided with ample locking facilities to take care of the largest craft which might reasonably be expected to use the river. This plan has been adhered to, in the main, and the few changes since found necessary have been engineering in type rather than economic.

PROGRESS OF DAM CONSTRUCTION

During the past twenty years the construction of the system of dams has gone forward steadily. The work has been undertaken by the United States Army Corps of Engineers and by private contractors under their supervision. Only four of the forty-six dams now in operation on the Ohio were opened for navigation prior to 1908, forty-two having been completed since that time. In October, 1925, the last three dams between Pittsburgh and Louisville were formally dedicated, thus opening to navigation a series of slack-water pools to form a continuous 9-foot channel 604.0 miles long. Since that date six dams below Louisville have been completed. With the dams at West Point (No. 43) and Henderson (No. 48), Kentucky, which were completed in 1921, the close of 1928 saw a total length of navigable channel of 838.0 miles down the river from Pittsburgh—or to a point 2.5 miles below Uniontown, Kentucky.

At present there are four dams in process of construction; Nos. 50 and 52 are practically completed and will be opened shortly; the Corps of Engineers promise to have Nos. 51 and 53 completed and in operation by the end of the calendar year 1929, with the final work of dredging completed at that time. This will open to navigation the entire 968.5 miles of the Ohio between Pittsburgh and Cairo, Illinois, the junction of the Ohio and Mississippi Rivers.

The engineering difficulties encountered have been such as to render construction slower and more expensive than had been anticipated. Practically all construction work must be done within coffer dams which are designed to hold out the river to a stage of sixteen feet. When the river rises above this point, as is frequently the case, work must of necessity be suspended until the water subsides and the dams and their enclosures may be pumped dry once more. The working season has rarely exceeded five months, July through November, inclusive; not infrequently it has been as short as 100 working days. In addition to overcoming the working difficulties of a wide and rapidly varying water level and the usual construction problems caused by different foundation materials at each site, it has been necessary for the engineers to keep navigation going at the same time, as far as this has been possible.

COST OF THE OHIO SYSTEM

The total cost of the Ohio River canalization project has been variously estimated at between \$100,000,000 and \$105,000,000 when finally completed. Including the Allegheny, the Monongahela, the Kanawha, and other tributaries to be improved, the total cost of the entire Ohio system will be approximately \$150,000,000. The most recent statistics made public by the Corps of Engineers (1928) give \$4,000,000 as an estimate of the annual operating and maintenance charge for the entire Ohio system. It should be noted that this estimate includes not only such

costs as would arise from ordinary physical maintenance and repairs but also includes the salaries of the personnel of nine men required to operate each of the several lock-dam units.

It is estimated that the fixed charges on the Ohio canalization system will be between \$6,000,000 and \$7,000,000 annually; this includes interest at 4 per cent on the cost of construction.

CARRIER DEVELOPMENT

The gradual development of navigation on the Ohio is most strikingly demonstrated by a brief review of the types of carriers which utilized it. The canoe, the flatboat, the keel boat, and the traditional steamboat famous for many years on the western rivers, were all developed to suit the imperative needs of their times. The modern period is that of the unspectacular but intensely practicable carrier barge and towboat—the latter being the motive power of the former. The great secret of cheap freight transportation is to handle and carry it in large quantities. The favored freight carrier of today—the steel barge—has a maximum capacity of 1,000 tons of material. These barges are usually lashed together two abreast in a column often five or six barges long, the whole “tow” being pushed up- or downstream by a single steam or oil-fired towboat.

CLASSIFICATION OF CARRIERS

Rivers, like highways, are open to anyone who may wish to use them for the transportation of freight or passengers. River transport service falls into three groups: First, *the private carrier*, who has fewest obligations and least contact with the public. He controls both the freight and the equipment which hauls it. Second, *the contract carrier*, who transports freight by mutual arrangement and agreement with the shipper, usually in large quantities. Like the tramp steamer, he has no set route; he goes wherever cargo is offered at profitable rates. Third, *the common carrier*, operating over a regular route on a fairly definite schedule, with definite, published rates.

TERMINAL FACILITIES

The decline in river navigation, so often attributed to the growth and superiority of the railroad system, resulted in part from the higher cost of terminal facilities upon the river, with the resulting failure of that carrier to keep pace. In the determination of freight charges the loading and unloading of merchandise from carriers has always been an item of equal or greater importance than actual carriage. Future growth of river traffic is largely dependent upon the creation of a series of adequate river and river-rail terminals at points of consumption or transshipment; these must be designed to afford the quickest and most economical means for

the transfer of freight between river craft and the terminal warehouse or railroad.

The successful operation of any terminal, whether river or rail, depends (1) upon its ability to function at all times and under all conditions; (2) upon the rapidity with which it effects the interchange of the products consigned through it; and (3) upon the charges levied for its services. In short, successful operation rests upon the three-fold basis of reliability, rapidity, and rates.

TYPES OF COMMODITIES ADAPTED TO RIVER TRANSPORT

Unlike railroad transportation, river haulage is not generally suitable for all classes of freight. The chief service of water carriers will always be the movement of cheap and heavy commodities—products whose weight and bulk are large in comparison to their unit value—and to those commodities in which deterioration takes place at a slow rate. This selective process is well illustrated by the types of materials making up the greater part of the Ohio River tonnage in 1927—the sand and gravel, the coal, the iron and steel provided over nine tenths of total tonnage. Transported in great barges holding from 660 to 1,000 tons and handled by giant cranes and grab buckets, this relatively low-grade freight is natural and legitimate river traffic.

FACTORS DETERMINING COST

On inland rivers, such as the Ohio, the basic cost of transport depends upon a number of factors and their interrelation: (1) condition of the channel; (2) amount of tonnage; (3) length of haul; (4) return haul; (5) terminal facilities.

CONCLUSIONS

A. WATERWAYS IN GENERAL

1. *Coordination of All Transportation Media.* Since it is universally admitted that future industrial and commercial growth of this country will require the best, the most efficient, and the most economical transportation media which can be devised, steps should be taken for the early adoption of a definite national plan to coordinate the functions and traffic operation of railway, river, and highway.

2. *Prevention of Railway Discrimination.* Railways should be prevented, under section 500 of the Esch-Cummins Bill, from engaging in unfair competition. Such "fostering" should include the right of water carriers to make joint rail-water rates on the same basis that joint rates are now fixed between various railway lines.

B. THE OHIO RIVER

Full and free use of the Ohio River for water traffic in the future is dependent in the main upon how successfully three major conditions are carried out: (1) final improvement of the channel by means of dams; (2) suitable river-rail terminals at junction points; (3) the establishment of modern common-carrier service.

C. PROSPECTS FOR GROWTH OF OHIO RIVER TRAFFIC

The Ohio Valley, rich in resources, will be able to furnish to river carriers a large amount of traffic in raw materials, manufactures, agricultural products, and general merchandise. The prospect of shipping at an average rate of 80 per cent of the rail rates will doubtless divert a certain amount of traffic now shipped by rail but equally or perhaps better adapted to river haulage. The growth of a large traffic in general merchandise is apparently awaiting the establishment of an adequate and dependable common-carrier service.

D. CONNECTION WITH OTHER WATERWAYS NEEDED

The Ohio needs, finally, to be linked to an improved Mississippi and to the Great Lakes.

THE CHEMICAL ALTERATION OF MUSCOVITE AND BIOTITE IN THE SOIL

By IRVING ALSON DENISON*

A comprehensive knowledge of the development of a soil is dependent on an understanding of the changes which the soil minerals undergo from the time they are exposed to weathering as part of the parent rock until they are completely transformed into colloidal material. Thus far in the quantitative study of the soil profile attention has been directed chiefly to the accumulation of clay or colloidal material at different depths and to changes in the gross chemical composition of the soil material in the various horizons. Changes in the individual mineral constituents have received little attention, especially those changes which take place in the deeper parts of the profile below the layer of clay accumulation.

It is recognized that certain minerals, such as hornblende, may disappear relatively soon in the soil-forming process and that others, such as quartz, persist in the upper soil horizons. Up to the present, however, the comparative rates of disappearance of the minerals have not been studied in a quantitative manner. Very little is known in regard to the formation of secondary minerals from decomposition of the original minerals of the soil, except what may be inferred from geologic studies and from studies restricted to the colloidal part of the soil. Finally, the changes in composition which minerals may undergo in the soil before they lose their identity have received little attention.

This investigation is concerned only with the various changes that take place in the mica group of soil minerals during soil development. It deals with the changes in chemical composition that muscovite and biotite undergo before losing their characteristic appearance and optical properties, with the nature of their alteration products, and with the rates at which they disappear in different soil profiles.

A comparison of the chemical compositions of micas isolated from the soil with those of average fresh muscovite and biotite shows that the average soil muscovite differs from fresh muscovite in being much lower in potash and higher in water, and that the average soil biotite differs from fresh biotite in containing higher percentages of alumina, silica, and water, lower percentages of magnesia, potash, and iron, and in almost complete oxidation of iron. These differences are so much greater than their probable errors that they are certainly not due to chance variation in random sampling; hence they are attributed to alteration.

* B.S., 1920, University of Illinois; M.S., 1921, University of Illinois; Ph.D. conferred June, 1929.

All the mica particles in a given soil are not altered to the same extent; the alteration is greater the smaller the particle and the less distinct the interference figure.

Apparently neither in the case of muscovite nor of biotite is the alteration a simple replacement of basic elements by hydrogen. Evidence is presented to show that muscovite and biotite tend to be altered to a material of the composition of kaolinite, and it is suggested that altered particles of soil mica are isomorphous mixtures of muscovite and biotite with kaolinite. The chemical composition of a particle would thus depend on the proportions of the two constituents present.

The mica of any one profile varies little in composition in horizons above the lowest C horizon. Mica in the hard rock, however, may have a quite different composition from that in the upper C or A horizons.

The fact that the total quantities of mica in the different horizons of a profile remain fairly constant in composition, while large losses of mica may be taking place through alteration to clay material, is explained in terms of the alteration hypothesis proposed. According to this hypothesis, a certain proportion of muscovite or biotite molecules may be changed to kaolinite molecules in the lowest part of the C horizon; this same proportion of the two constituents in the total quantities of mica is then maintained in the upper horizons, owing to a balance between the two changes, mica to kaolinite and kaolinite to clay.

In all soil profiles biotite seems to be altered to about the same extent, the potash content of the material usually approximating 4 per cent. Muscovite, on the other hand, in some profiles, may contain less than 1 per cent K_2O and in other profiles as high as 9 per cent K_2O . This variability is attributed to the possibility of two forms of muscovite being present, primary and secondary, the secondary form being more readily altered.

Considerable losses of mica occur in the development of most soil profiles, the loss being especially marked between the upper C and the lower B horizons. In some profiles, however, little loss of mica is indicated. Differences in the loss of mica are attributed to differences in the weathering of the profiles.

Muscovite and biotite do not differ appreciably in the rates at which they are decomposed in the soil, so far as can be judged from the comparative quantities of muscovite and biotite present in various horizons of eleven soil profiles. It is possible, however, that a considerable part of the muscovite lost is the secondary form.

GEOGRAPHIC INFLUENCES UPON BRITISH ECONOMIC POLICY IN WEST AFRICA

By FRANCES M. EARLE*

Africa has become a great European dependency. At the present moment the entire continent, with only two exceptions—Liberia and Abyssinia—is under the political control of six European powers, Great Britain, France, Italy, Spain, Portugal, and Belgium. Colonies and settlements formerly owned by other nations have been lost by conquest, barter, or by transfer. The world has never before seen a movement of conquest and dominion on so large a scale. European powers have been definitely aggressive, taking openly such unappropriated territory as they considered desirable. Prior to 1800 colonial expansion had been justified largely upon sentimental grounds, missionary activity, or governmental ambitions for an empire and the prestige which goes with it. At the beginning of the nineteenth century the economic motive was beginning to appear, and before the end of the century it was recognized as being of primary importance.

For many years Europeans knew only the coast of Africa, and that looked outward. Commerce, therefore, was with distant countries. Facing the Mediterranean, the northern coasts belonged to Europe rather than to Africa; the eastern coasts faced Asia, and commerce was with Arabia and India particularly; the slave trade of the west coast formed the basis of the trade to America and the West Indies; the southern coast was valued merely as a stopping point en route to the Far East. Little was known of the interior of the continent until the nineteenth century, when explorers traversed various regions and wrote accounts of their journeys in which they called attention to the vast and undeveloped resources of the continent. It is natural, then, that recent economic progress in Africa should have been from the coasts inland.

Africa has long been the scene of British operations, yielding some of the earliest as well as some of the most recent additions to the Empire. Almost every type of territorial possession or government may be found within the continent: There are examples of crown colonies, military outposts, protectorates, and a self-governing colony in which Europeans live and prosper.

West African trade has always been considered valuable, its importance being recognized in the eighteenth century—a fact which goes far in explaining the continued struggles for possession of a coastal foothold.

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Those merchants and chartered companies fortunate enough to acquire trading posts defended them against all intruders who might in any way interfere with the commerce for which they themselves had gone to Africa. These stations, which were at first nothing more or less than trading posts or depots, were later enlarged and the territories consolidated into British colonies; the development of the Empire is thus largely due to the gradual extension of their sphere of operations by British traders. Indeed, it has been said that the British Empire is "the offspring of trade."

Trade was admittedly the motive which took the British to West Africa in the beginning; other motives which have appeared at different periods have all been forced into the background as trade again became the dominant force.

Four detached colonies comprise British West Africa: Nigeria, Gold Coast, Sierra Leone, Gambia. All of the land frontiers are French except where Sierra Leone on the southeast adjoins Liberia. Nigeria has a great, and the Gold Coast a substantial, hinterland, but there is no interior connection such as the French have in their continuous land areas; the British colonies look outward to the sea.

While British West Africa cannot accurately be spoken of as a unit, as can French West Africa, the colonies have many features in common. They all lie between 14° and 4° north; they have the same type of hot, humid climate in the coastal regions and the same hot, dry climate in the interior. Similarly, they are all inhabited by negroid peoples in approximately the same type of tribal organization and simple economy. Within two well-defined geographical regions they can produce the same commodities. There is a still further similarity in the matter of government, each possession being composed of colony and protectorate.

One of the most striking differences between the colonies is found in their histories. The Gambia was occupied by the British in 1816 for purposes of trade. Sierra Leone was founded as a settlement for emancipated slaves. Successive African companies made of the Gold Coast a commercial dependency. Nigeria's history has been more complicated—Lagos, for example, was acquired for the purpose of suppressing the export of slaves, and the northern territory came into British hands through a chartered company.

The colonies may be further distinguished by their varied administrative policies, their specialized economic products, and by individual differences within the racial groups.

There are two large geographical regions, termed forest and savanna, omitting for the moment any discussion of the intermediate or transitional zones. Native life—economic, social, political—has been greatly influenced by the physical environment. Native races in the forested areas were backward; they lived in forest clearings in small groups and gathered forest products; they were dominated by the environment. In the grass-

lands social groups were larger; the natives engaged in a form of agriculture, they built walled cities, and they made their own laws and maintained schools.

The dense forests presented an impenetrable barrier and for centuries reduced to a minimum any contact with civilized peoples beyond the coastal regions; farther in the interior there was the handicap of great distance. In this way geographic conditions have been largely responsible for the slow development of the region, for in primitive countries geography plays a large part in economic possibilities.

British colonial economic policy, as exemplified in West Africa, is the very natural outcome of the changes and developments which have characterized the history of world economics over the last five centuries. This policy is the result, in large part, of the Industrial Revolution, of the Commercial Revolution, and of all the varied and various factors which these terms include, and at the same time it indicates the distinct change in the attitude of mother countries toward their colonial dependencies. It marks, too, the importance of the struggle for the possession of sources and supplies of raw materials so characteristic of modern industrial life, and the economic warfare which is constantly being waged between nations with such weapons as protective and preferential tariffs, governmental subsidies and bounties, and a far-reaching and interlocking system of quasi-commercial treaties.

Just as the Industrial Revolution marked the transition from home industry to the factory system, which was brought about largely through the introduction and substitution of machinery for hand production, so the Commercial Revolution effected the expansion of markets from an almost completely local to an international extent. Furthermore, it made possible the development of international trade from an activity concerned almost entirely with the exchange of limited quantities of goods of small bulk and high unit value, to the long-distance movement of raw materials and products of considerable bulk in proportion to their value. In the instance of Great Britain both of these two great periods of economic change and transition operated to bring about the present colonial policy of the British Government, the one complementing and making possible the other to such a degree that it is virtually impossible to indicate which, if either, had the greater effect.

It was fortunate that transport media kept pace in its development and extension with industrial equipment and manufacturing processes and consequently was able to take care of the demand placed upon it for the movement over long distances of large quantities of raw materials, foodstuffs, and manufactured products. Railroads and steamships had the effect of making all countries of the world accessible to other countries; they contributed to the opening up of the interior of continents, and by making regional specialization both possible and practicable,

furthered interdependence among nations. The ancient national idea of self-sufficiency was shown to be false in greater part, and the true worth of economic interdependence, a characteristic of the present stage of world economy, was shown as resting upon efficiency and rapidity of transportation and exchange.

One of the many conditions resulting from the industrial and commercial revolutions was the marked change in attitude which shortly came to be manifest with respect to the value of colonies—a change which in turn resulted in a mad scramble among the great, and even certain of the lesser, powers for the unoccupied territory in the various parts of the world. Colonies instead of being a burden were now becoming assets. In the case of England this change in appreciation may be divided into four distinct periods: (1) the old colonial system (1603-1776), the basic idea of which was that colonies were looked upon as estates to be exploited for the benefit of the mother country; (2) the period of colonial *laissez faire* which followed the loss of the American colonies (1783-1870); (3) from 1870 to 1895 there was a strong reaction, due to the foreign competition, and it was during this period that Great Britain was forced to take an active part in African affairs; (4) from 1895 to the present, a period during which Great Britain's industrial supremacy was challenged and she began to consider seriously the potential value of colonial markets. It was as she passed from the period of world economics into that of imperial economics that a new colonial policy was formulated in which economic development replaced the former idea of mere government.

It was during this fourth period, often characterized and described by the term "constructive imperialism," that the economic development of the West African colonies really began. This realization of economic interdependence has been a comparatively late development which may be attributed to the progress of industrialization with the attendant demands for increasing supplies of both foodstuffs and raw materials.

Within the British Empire there are really two vastly different empires. One part consists of the regions in which white men have settled, reproduced the institutions and language of the mother country, and developed into self-governing dominions. The other is a densely populated tropical and semitropical area, unsuited to white habitation, where practically no self-government has been evolved and where the colored inhabitants are still largely in tutelage. This portion of the Empire is governed autocratically, and its great economic value lies in the production of such commodities as cocoa, sugar, rubber, edible oils and nuts, and spices of all kinds. The policy adopted with regard to the latter is one of development by science and railways. In furthering the economic development of the tropical colonies, Joseph Chamberlain is the outstanding leader. To him is due the credit for the assistance which England has given her tropical possessions since that time; assistance which has

been directed into three channels: (1) the financing of permanent improvements such as railroads and harbors; (2) the encouragement of institutions for the study of tropical medicine; (3) the encouragement of scientific agriculture.

It has been the commercial policy of the British to make no distinction between nationals and foreigners, and over the entire area there is equality of opportunity and freedom of trade and commerce for people of all nationalities. The economic policy of administration has as its aim the "development of native resources for the natives by the natives" under English supervision. Private English enterprise has done less in the development of West Africa than in any other part of the Empire; the only exception of importance is that of the Royal Niger Company. Since enterprise has, therefore, been small-scale in type, economic progress has been slow, thus leaving the greater share of the work of improvement to be initiated by the Administration.

In the West African colonies, with their simple national economies, there has been a transition from the subsistence to the commercialized type of agriculture, and this has necessitated a transition from a natural to a monetary economy. The encouragement of individual effort has tended to make the West African farmer intelligent and self-reliant to a degree not generally seen among the people of East Africa where economic autonomy is not encouraged. In West Africa capitalistic development has been confined to the exploitation of mineral resources, while the production of and trade in agricultural and forest products has been in native hands. For this reason the practice of granting large concessions for purposes of plantation agriculture is frowned upon. The basic reason for such a policy is climatic, the region being unsuited to permanent European settlement and development; but there is the further reason that native development may be more economic than the plantation type.

The Administration has played an important role in taking the leadership in the encouragement of production and improvement of quality, in aiding marketing, and in providing facilities to transport the commercial products to market.

The development of the cacao industry has brought prosperity to the Gold Coast and to Nigeria, the oil palm and its products yield large returns in Sierra Leone, Gold Coast, and Nigeria, while the prosperity of Gambia is dependent upon the groundnut. Cotton is grown in Nigeria in commercial quantities, and there are many other crops which have potential commercial value, as the cocoanut, shea nut, sisal, piassava, tobacco, and ginger.

Exploitation of mineral resources has marked another step in advance, the tin, manganese, and coal resources being especially valuable. A variety of other minerals are found in the Gold Coast, such as gold,

bauxite, and diamonds. In addition to the agricultural and mineral resources, West Africa has great wealth in her tropical forests.

Climate and the products of the soil have greater influence upon differences in development between one tropical colony and another than any apparent variation in colonial policy, whether it be British, French, or any other. Despite the physical handicaps from which the white man suffers in the enervating tropical climate, his superior mental equipment and business capacity have given him a great and permanent advantage over the natives. He was necessarily the master, and the native became the servant or slave. A simple social fabric of "white aristocracy and black servitors" was thus created. This social stratification, combined with fertility of the soil, decided the industrial and social condition of the tropical dependency.

The primary consideration of every colony was trade; health was the secondary consideration. Since existence depended upon these two factors, government, or political institutions, assumed third place. Indirect rule was the only practical plan of government in the beginning, and it has proven so successful that it has continued to the present day. Conditions which led to the establishment of indirect rule still exist—inadequate funds to establish direct rule, degree of native civilization, ability of native rulers, diversity of languages, the great difference in ideals and cultures of the English and the natives—and this principle is now generally considered best for West Africa.

The maintenance of the Empire is a politico-economic problem. Recognition of the fact has caused colonial possessions to be more carefully weighed than ever before, particularly in so far as they contribute to the development of Empire self-sufficiency. Each of the West African colonies has its own particular value as a component part of the Empire—a navigable river, a strategic location, agricultural and forest resources, mineral wealth—and their industrial value lies rather in the production and export of essential raw materials than in the development of any extensive local manufacturing industries.

England's commercial supremacy has been challenged, and she has encountered keen competition in markets once considered British. Attention has therefore been directed to the establishment of trade relations with the colonies with a view to expanding old markets and opening up new ones. Beside engaging in the actual processes of exchange of commodities, the British find employment for their shipping industry, enjoying a large share of the carrying trade of West Africa. There is, furthermore, a profitable field for investment, and British capital has flowed to the colonies to facilitate the building of railroads, roads, harbors, to aid the agricultural industry, to open up mines, and to improve health and living conditions.

British rule has given the natives of West Africa better government and more security for both property and life than they had ever known before. Their material wealth has been increased; their standard of living and of education has been raised. The British policy of encouraging native industry, economic self-determination, or "development of native resources by the natives for the natives," has proven most successful.

THE INFLUENCE OF THE FRONTIER ON JOSEPH SMITH

By DEAN DEPEW MCBRIEN*

It is generally recognized that both men and institutions are influenced and their careers shaped, to a considerable extent at least, by the environment in which they grow up or develop. This was the case with Joseph Smith, jr., the founder of Mormonism, and also with the system of doctrine and organization which he promulgated. He and his church will never be properly understood when treated merely as evils to be condemned. They must be regarded rather as phenomena to be explained. The purpose of this paper is to suggest such an explanation by portraying the Mormon Prophet and his activities in relation to the surroundings in which he lived and worked.

Joseph Smith spent his entire life in American frontier communities. His first ten years were lived in the back country of Vermont. After the close of the War of 1812, however, he was taken by his parents to the Genesee country in western New York. It was there that the Church of the Latter-Day Saints came into being. The conditions which he met there did much to type the fundamental concepts of Mormonism and to direct the early years of its development.

The town of Palmyra, where he lived, was a frontier settlement. Its Yankee settlers had been jarred from their moorings of social and religious conservatism by the intense emotional fervor of the backwood camp meetings. Many gave way to demonstrations of religious aberration, claiming, even, to speak in "tongues" and to receive visions. Many more were confused by the claims of competing denominations. Joseph Smith, at the age of fourteen, had both experiences. His first vision, which condemned all existing churches, commanded the organization of a new church and led to the bringing forth of the Book of Mormon as the result.

The Book of Mormon, corner stone of the Prophet's structure, reflects in numerous ways the influence of the neighborhood. Its style, its atmosphere, its characters, its incidents, and its theme all bear the marks of the frontier as it then and there existed. Its tone is that of the ignorant circuit rider. Large portions of it are but borrowings from the Bible, the principal work of literature known to the backwoodsmen. The rest of it is chiefly a presentation of frontier views, experience, and situations. It embodies as its central feature the theory of the Hebraic origin of the

* A.B., 1914, University of Nebraska; A.M., 1920, Columbia University; Ph.D. conferred June, 1929.

Indians, so generally current at that time. Its Nephites could easily have been the white pioneers, for their struggles with the Lamanites (Indians) and the "King-men" (British) seem to have been the same as those through which the Americans along the Niagara passed during the War of 1812. Besides this, the Book of Mormon contains accounts of great westward migrations, reflects the hostility of Westerners toward the East, describes the outlaw bands of the new country, and gives credence to many of the superstitions current among the settlers. It sets forth the political ideals of the period and place, the rise of anti-Masonry, less than twenty miles away, seeming to have been responsible for the many denunciations of secret orders which it contains.

Religiously the book reflects the characteristic attitudes of the western communities. The conflict of Yankee Calvinism with "free will," which raged in the Genesee Valley, the dispute between the immersionists and sprinklers, and the encroachments of Universalism and "free thought," all, according to the Book of Mormon, agitated the pre-Columbian Americans whose story it purports to tell. To Methodism, the most vigorous and active of the frontier faiths, Mormonism owes much. Circuit riders of the Methodist type gallop through the pages of the Book of Mormon, preaching Methodist doctrine and administering Methodist discipline to the ancient Nephites, ever using the catchwords of the Methodist exhorter to frighten the sinners who lived in America two thousand years ago. Joseph Smith almost joined the Methodists at one time, and he never got away from their influence, even adopting most of their scheme of government for his own church when he organized it in April, 1830.

He had won but a few followers to the new faith when circumstances made it advisable to move to the Western Reserve and locate at Kirtland, Ohio. There many of the same forces that had affected him in New York continued to influence him. There were, however, many new factors which gave color to his revelations and helped to shape his doctrinal system. Alexander Campbell was then organizing the Disciples of Christ, and most of his success had been in that part of Ohio. One of his chief associates, Sidney Rigdon, was converted to a belief in the mission of Joseph Smith, as were others of his followers. Almost immediately the Prophet's revelations began to take on a Campbellite tinge, and it was not long before Mormon theology was basically the same as that of Campbell. Of the differences between the two, one of the chief is that of the Latter-Day Saint teaching with regard to different degrees of glory in the future world. This doctrine, however, was taught by the Shakers, who had a settlement within six miles of Kirtland and with whom Smith early came into contact.

In Ohio and throughout the West a great interest in socialistic ideals and communistic enterprises had developed during the late twenties of the

nineteenth century. This had been fostered by the efforts of Robert Owen, the Scottish agitator, who had met Alexander Campbell in debate in Cincinnati in 1829. The example of the Shakers had also contributed to it. At the time of Smith's removal from New York the Campbellite followers of Rigdon at Kirtland were operating on a basis of communism. Prior to this the Prophet had urged his followers to gather in one settlement, chiefly as a means of escaping persecutions and worldly entanglements. Now his revelations became filled with the spirit of Owenism, and from the time of his arrival on the Reserve he preached "gathering" for the purpose of instituting a society in which economic equality should prevail. Thus his doctrine of the establishment of Zion came into being.

Other reform waves were sweeping over the Ohio country at the same time. Chief of these was the temperance movement, characterized by the founding of Washingtonian societies and widespread pledge-signing. A strong organization of this sort was formed in Kirtland with the result that distilleries there had to close. At almost the same time the revelation known as the "Word of Wisdom," which enjoins total abstinence upon the Mormons, was made a part of the doctrine of the Saints.

About the middle thirties the West was afflicted with a fever of speculation, particularly in land. It was the time when the unfriendly attitude of Jackson toward the United States Bank had helped to bring into existence a large number of "wildcat" institutions. Both the "boom" and the "wildcat" mania struck Kirtland and its Prophet. In 1836, therefore, Joseph Smith not only engaged in unsuccessful real-estate and mercantile ventures but launched an ill-fated banking house, the Kirtland Safety Society Anti-Banking Company. When it went the way of all like concerns during the panic of 1837, its founder had to leave Kirtland.

Even before moving from New York, Joseph Smith, intrigued no doubt by his interest in the Indians, had declared that the Zion of the Saints was to be on the Indian border and had sent missionaries to Jackson County, Missouri, which adjoined the country then reserved to the red men in accordance with the policy of the Government. In 1831 he had visited the region himself and had received a revelation that Zion was to center in the town of Independence. Following that large numbers of his followers had located there, and efforts were made to organize them into a communistic group. The settlers already there were in the main individualistic southern backwoodsmen. They resented the clannishness and Yankee characteristics of the Mormon newcomers, claiming, among other things, that they tampered with their slaves. Hostility between the two elements soon became acute, and in 1833 the old citizens took the law into their own hands and forcibly expelled all Latter-Day Saints from the county.

Joseph Smith, encouraged to believe that the Governor of Missouri would reinstate his followers upon their lands if they would maintain

themselves there, organized a small army known as Zion's Camp and led it from Ohio to Missouri to assist in the "redemption of Zion." The determined resistance of the Jackson County frontiersmen forced him to abandon the project, however, and he had to content himself with directing his followers to locate on Government land some distance to the north, there to wait a more propitious time for returning to the homes from which they had been driven. At the same time he endeavored to restore order and unity among them and to lessen the causes of friction that had arisen between them and their neighbors. In carrying out the latter policy he took advantage of the appearance of an abolition orator in Kirtland to denounce all such agitation and even went so far as to justify slavery.

It was to the new prairie town of Far West, Missouri, that he fled when the failure of the bank at Kirtland forced him to leave Ohio. This settlement had grown rapidly since its establishment, partly, no doubt, because the large amount of cheap Government land in the vicinity made it easy for the large number of poor people among his converts to locate there. The evident necessity for acquiring as much of this land as possible led him to abandon the policy of slow and careful gathering which he had formerly taught. Consequently he ordered a hasty gathering and replaced the system of consecrating property to a semicomunistic community with a policy of tithing.

In this rush for land he and his followers came into conflict with "squatters" and other settlers from the South. Friction again developed. All the old charges that the latter had used against the Mormons in Jackson County were revived, and mobs once more threatened the Saints. This time Joseph Smith preached resistance. The Governor of Missouri, a former mobber from Jackson County, called out the militia, ordered the Mormons expelled or exterminated, and the Mormon War was on. The trouble had been aggravated also by the fear of the old settlers that Joseph Smith would become political dictator of that part of the State. In November, 1838, the city of Far West was forced to surrender, twelve thousand Saints were driven to Illinois, and Joseph Smith was kept a prisoner at Liberty until the next April. The frontier had conquered him, but he refused to yield. When he escaped from his guards in 1839, he went to Washington to try vainly to secure aid from Congress and from President Van Buren in regaining the property of which Missouri had robbed his people.

The people of Illinois, where he next made his home, welcomed him and the Saints and urged them to settle among them. The State was then on the outskirts of civilization. Its people were about equally divided between settlers from the South, who were mainly Democrats, and Yankees on its northern prairies, who were chiefly Whigs. Both of these factions hoped to profit from the arrival of the persecuted newcomers. Conse-

quently the Prophet was courted by the leaders of both parties, including Lincoln and Douglas, for the bitter "Log Cabin and Hard Cider" campaign of 1840 was not far in the future. Legislative favors were granted them in the hope of winning their support. These included the chartering of the city of Nauvoo, the new Mormon capital, and the authority to form a military company, the Nauvoo Legion. Having in mind the troubles through which he had passed in Missouri, Smith secured for both the city and legion powers so unusual as to make them virtually independent of State control. This, though it may have been justified, led to much trouble with the people of Illinois later.

In Illinois and just across the Mississippi River in Iowa Territory, where many of the Saints settled, there were in that day many rough, daring adventurers—thieves, counterfeiters, swindlers, and even murderers. Much of the land was held by non-resident owners, and titles were not well secured. Joseph Smith, as the leader of a great body of people desiring to establish homes, was a mark for the activities of the land "sharks," while his church, disorganized as it was, offered the rogues a shelter in which they might find a cloak for their misdeeds. He was inveigled by one of the former, Dr. Isaac Galland, a discredited agent of a New York land company, into extensive purchases of real estate, which not only got him into difficulties with "squatters" and other settlers but which brought him at length to bankruptcy. Another adventurer, Dr. John C. Bennett, failing to gain the political advancement he had hoped to win by uniting with the Saints, turned against the Prophet and helped to convert the friendliness of his neighbors into intense hatred. The lesser rogues, continuing their evil ways under the protection of his city, made Nauvoo famous as a center of wickedness and abominations.

The growth of the city to that of the largest by far in Illinois gave Joseph Smith the first real urban society he had ever enjoyed. As its mayor he sought to promote its development, and in that effort some of his frontier views were modified. Paper currency became an anathema to him. He insisted now upon sound money. Corporate enterprises took the place of the simpler form of business organization which he had before advocated. He was so enmeshed in business matters that he no longer had time for spiritual revelations, receiving only eight in five years as contrasted with one hundred and twenty-four during the ten years previous. His efforts to monopolize real-estate deals and other ventures alienated some of the more individualistic of his followers, who, uniting with people of Missouri and Illinois made hostile by his manipulation of State politics and his candidacy for the Presidency, revolted against his leadership and accomplished his arrest. He was murdered by a mob of backwoodsmen while in jail at Carthage, Illinois, June 27, 1844.

For some time before his death he had realized that his church had not yet found the haven of peace which it desired. Early in 1844 he had

commenced the organization of an exploring party which should look for a new location farther to the west—Oregon, the Rocky Mountains, somewhere. The fifth frontier to influence him was calling when the assassins found him. He had delayed too long to answer its summons. Martyrdom closed the career of one of the most unusual and remarkable of Americans.

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THE MICRO-BIOLOGICAL PRODUCTION OF ORGANIC ACIDS FROM CARBOHYDRATES WITH PARTICULAR REFERENCE TO THE FORMATION OF D-GLUCONIC ACID FROM DEXTROSE

By ORVILLE EDWARD MAY*

The literature concerning the formation of lactic, butyric, acetic, formic, succinic, malic, pyruvic, fumaric, oxalic, and citric acids from carbohydrates through the agency of yeasts, bacteria, and fungi, has been reviewed, together with the various theories respecting the mechanisms representing the reactions leading to the formation of these acids from the various sugars. Where these fermentations have been developed commercially, the general details of the processes involved have been described as far as the patent or general literature has revealed them.

The various chemical methods which have been developed for the preparation of d-gluconic acid have been briefly noted, followed by a review of the rather meager literature dealing with the occurrence of this acid in the carbohydrate cultures of yeasts and bacteria. A more detailed review of the work pertaining to the formation of this acid by fungi has been given.

The results of experiments carried out to study the conditions surrounding the production of gluconic acid by a particular strain of the *P. luteum purpureogenum* group of fungi have been reported. This fermentation has been found to be characterized by the exclusive production of gluconic acid, no citric, oxalic, or other acids being formed in the process. The optimum conditions for the formation of this acid have been experimentally found to be as follows: temperature, 25° C.; concentration of glucose, 20 to 25 parts per 100 parts of solution; pH, a wide range varying from 3.0 to 7.0; ratio of surface area of solution to volume, 0.3 (for economical commercial production of the acid); nutrient nitrogen, 0.016 per cent supplied as sodium nitrate; potassium, 0.0026 per cent supplied as potassium chloride; magnesium, 0.00245 per cent supplied as the hydrated magnesium sulphate; phosphorus, 0.00086 per cent supplied as either the hydrated disodium phosphate or phosphoric acid. Under these conditions the organism under investigation was found to oxidize from 55 to 65 per cent of the glucose present in the culture solution to d-gluconic acid in fourteen days. Experiments dealing with the effect on acid production of agitation of the culture solution have been described

* A.B., 1924, The George Washington University; M.S., 1926, The George Washington University; Ph.D. conferred June, 1929.

in which it was found that agitation had no effect in the higher concentrations of sugar but exerted a favorable effect in the lower concentrations. Yields of acid in semiplant scale pans have been found to be equal to those obtained in the usual glass flasks. Experiments have been described in which a semicontinuous fermentation process for the production of gluconic acid has been shown to be feasible.

The composition, solubility, and optical rotation of ten representative salts of gluconic acid have been determined. The experimental methods employed in arriving at the values for these constants have been briefly sketched. A small amount of crystalline gluconic acid has also been prepared and its optical rotation measured. Its dissociation constant has been calculated, for the first time, from measurements of the hydrogen-ion concentration of freshly prepared solutions of the acid and has been found to be 1.65×10^{-4} .

The mechanism involved in the reaction leading to the formation of gluconic acid from dextrose has been discussed as an enzymic process. It has been concluded that the reaction is one of simple oxidation and does not involve dismutation of the glucose. Various theories regarding the apparently involved reactions through which citric acid arises from sugars by the action of fungi have been reviewed. The energy relationships involved in the transformation of glucose to gluconic acid have been calculated and their general physiological significance pointed out. A short review of the existing and wholly contradictory literature concerning the fate of gluconic acid in the animal organism has been included, together with the probable value of the salts of gluconic acid in chemotherapy and industry in general.

In conclusion the need and value have been pointed out of carefully planned quantitative biochemical investigations of the products of metabolism of various microorganisms.

A bibliography has been appended representative of the work reported in the literature concerning the formation of organic acids from carbohydrates by bacteria and yeasts and including all of the important papers and patents dealing with the formation of acids by fungi.

THE CONTRIBUTION OF THE FRISIANS AND THE DUTCH TO THE PHILOSOPHICAL IDEA OF FREEDOM

By HENRY K. PASMA*

The subject-matter in this thesis is treated in two parts: in the first, the consideration of the idea of freedom as it was developed among the Frisian nation; and in the second part, freedom in the Dutch Republic. This study is of value since very little is known in America with regard to the Frisian nation. Historians have paid more attention to the history of the Dutch, especially to that part which treats of the period of the Republic of the Seven United Dutch Provinces. The sources of Frisian history are written almost exclusively in the Frisian language. Those of the Dutch are very largely in that tongue. Hence, a condition exists which has caused historical data bearing upon the Frisian and Dutch nations to be inaccessible except to those who are acquainted with the native tongues of these two peoples. Few scholars in the United States are able to conduct research work in Frisian and Dutch history, since they are unable to read either the Frisian or the Dutch languages.

Freedom is largely a negative term, which may be defined briefly by saying that freedom means absence of constraint or compulsion, in the realms of epistemology, of morals, of politics, and of religion. The idea of freedom has been with man from the earliest beginnings, since freedom is inherent in reason. Many other ideas with which, in the course of his existence, man has become acquainted, in the course of time have become changed so as to be hardly recognizable by later generations. But the idea of freedom, and values inherent in it, though throughout time their meaning has developed, are nevertheless instantly recognized whenever constraint and compulsion make themselves felt in the life of the individual or of the nation.

The treatment of a subject like that considered in this thesis necessitates the use of considerable historical data taken from the histories of both the Frisians and the Dutch. This historical data is used for the construction of a background upon which may be based the development of the philosophical idea of freedom. This historical background, though correct, is not exhaustive. Not all events which have transpired in the struggles of the Frisian and the Dutch nations could be treated separately and in chronological order. We have attempted to isolate the main

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elements in the histories of the two peoples and to interpret them in connection with their bearing upon the idea of freedom.

K. von Richthofen, German expert in Germanic and old-Frisian law, spoke of the importance of the history of the ancient Frisians in the following manner: "The Frisian nation forms its component parts after the transition of the Germanic tribes and those of the north of Germany. Friesland is the connecting link in the chain which connects the Germanic tribes which live in Germany, and those in Scandinavia, which originally were related, but which developed independently.

"In the second place a study of the Frisians is important, since the Frisians, for centuries, have clung with remarkable tenacity to their ancient language, their customs and their law; yes, they have retained all this in a time when in the rest of Germany the corresponding forms, although originating in just as early a period of development, for the greater part had made way for new developments. Both of these reasons prompt us to ascribe to the Frisian nation an especial great importance and weight."

We have attempted to trace the contribution of the Frisians to the idea of freedom through their history, in the usages of their language, in the spirit of their laws, and in the degree of their civilization, as this becomes evident through archeological discoveries. Of earliest writers, the Romans Cornelius Tacitus and Pliny the Elder, in the first century of the Christian era, make extensive mention of the love of freedom of the Frisians. Of native documentary evidence there is next to none. Emo, a Frisian chronicler of the twelfth century, states that devastating floods in their country, and the many wars of the Frisians, destroyed whatever written documents may have existed. Solcko Forteman, Okko Scarlensis, and Vlietarp, were ninth- and tenth-century chroniclers; but their fragmentary historical data is quite unreliable by reason of much legendary matter having become mixed with facts. Emo mentions the fact that a great measure of freedom existed among his fellow countrymen at the time of his writing. Stoke and Jacob van Maerlant, court clerks in the employ of the counts of Holland in the twelfth century, write in Middle Dutch of the freedom of the Frisians, to the effect that their ancient privileges of freedom had been confirmed by Charlemagne. Other writers have doubted this; however, the connection of Charlemagne with Frisian freedom is now quite generally conceded by a number of historians.

It should be noted here that the Roman historians and Anglo-Saxon chroniclers make record of the Frisians in England during the Roman occupancy of the island, and later, in the fifth century, in connection with Hengist and Horsa; which record had been corroborated by archeological discoveries of stones with inscriptions, in Latin, of names of Frisian individuals and of the Frisian nation. Complete cohorts of Frisians were employed in the Roman legions. Procopius, Byzantine historian, 490 A.D.,

speaks of three nations inhabiting England: the Angles, the Frisians, and the Britons. The speech of the Frisians is quite similar to the Anglo-Saxon tongue. The earliest Christian missionaries to Frisia were Anglo-Saxons. These men experienced no difficulty in preaching the gospel among the Frisians in either the Anglo-Saxon or the Frisian vernacular.

Frisian history and literature is replete with expressions like "*frij ende freesch*," which means "free and Frisian." The two terms appear synonymous. An ancient Frisian motto, having originated no one knows when, states the matter of Frisian freedom in the following words: "Frisians shall be free as long as the winds blow from the clouds, and the world stands." Frisians speak of their laws in the sense of natural rights: "*sa God selva bad*"; "as God himself has ordained." The *Lex Frisionum* emphasizes the inviolability of the person of the individual. Though some form of servitude must have existed among the Frisians, as is apparent from the *Lex Frisionum*, many historians are of the opinion that complete feudalism never took root in Friesland (viz., Motley, Green, Douwema, Blom, and writers like Page, Ledig, Griffis). Frisian government was democratic, and Friesland during the feudal ages in reality was a small republic. It lost its freedom in 1498. The chief causes of its downfall were: the overwhelming numbers of their enemies in the army of Duke Albert of Bavaria; internal dissensions; a lawless condition in the Frisian country, brought about by a too exclusive reliance by the Frisians upon natural law; and the strong opposition of the Frisians to centralization of governmental powers.

The tracing of the idea of freedom in the Dutch Republic begins with a study of the times preceding the revolt of the peoples of the Dutch Lowlands from Spanish misrule. As early as the thirteenth, fourteenth, and fifteenth centuries, invisible preparation for the later emancipation from ecclesiastical and political bondage was being made. The Scriptures were translated into the vernacular. Itinerant preachers denounced the abuses of the clergy and the authority of the Church. The Church retaliated by imprisoning and putting to death those who disseminated these new ideas. The Brethren of the Common Life, a semimystic sect, taught the masses religion in an evangelical spirit. Erasmus' writings, and his satire of the Church, penetrating the mind of all Europe, also influenced the mind of the Dutch people. In Friesland Rudolph Agricola and Wessel Ganssevoort, promoted, respectively, humanism and an evangelical type of religion. Derek Coornhert succeeded Erasmus in the teaching of humanism and the ideas of religious and political tolerance.

A special chapter is given to the tracing of the idea of religious toleration from earliest Christian times and its effect noted upon the peoples of the Dutch Lowlands in the sixteenth and seventeenth centuries. It was found that though religious freedom in the Lowlands was as great, and even greater than in surrounding countries, it did by no means measure up

to the standard which we set ourselves today in matters of religious liberty. At the beginning of the seventeenth century Calvinists and Arminians are at loggerheads. Baptists can hold no government positions in the Dutch Republic, and Catholics are hardly tolerated in the country. None but the established Church (Calvinist) may worship publicly. Non-conformists may worship in private homes. The Synod of Dort, 1618-19, formulated the Reformed symbols of faith and the five points against the Arminians, which were adopted by the Reformed churches in several European countries but which were not accepted *in toto* by some of the Dutch provinces which formed part of the Dutch Republic.

William of Orange was the strong personality to unite and lead the Dutch in their struggle for freedom. It is noted how for a long time the Dutch peoples, and even Prince William himself, felt religious scruples with regard to the abjuration of Philip the Second. The Calvinist theologians entertained serious doubts as to the scriptural warrant of an uprising by the people against their lawful sovereign. Neither prince nor people at first purposed to make of the Dutch Lowlands a republic. After the assassination of Prince William of Orange and the unsuccessful attempts to have foreign nobles assume the leadership of the Dutch peoples, its government was modeled after the democratic pattern, with representatives of the States and a *Raadspensjonaris* in charge of government affairs, and a Stadtholder to look after the military interests of the Republic. The sons of William of Orange, Maurice and Frederick Henry, were men possessed of great military genius. After the Dutch Lowlands had resisted every attempt of the Spaniard to bend the Dutch to his will, after eighty years of struggle, at the Peace of Munster, 1648, Dutch independence was secured.

The fruits of freedom were evident in every sphere of activity in the Dutch Republic. The Dutch cities grew prosperous. Dutch commerce spread to every land of Europe, and to the East and the West Indies. The Dutch fleet had become second to none in power. Dutch prestige upon the high seas was acknowledged by all except England. At the Dutch universities taught the greatest scholars of Europe. Large numbers of foreign students flocked to the Dutch schools. This, the seventeenth century, witnessed the acme of expression of Dutch freedom. Many important inventions which greatly facilitated the development of science, were made by men in the Dutch Lowlands. Dutch theologians worked out a magnificent, be it formal, system of revealed religious truth.

It was especially during this era that the fruits of freedom in the Dutch Republic evoked jealousy among the nations surrounding the Dutch commonwealth. Dutch supremacy of the seas, her rich East India trade, met with ill will, especially from England, which now began to emphasize the doctrine of the closed seas—the assertion of British supremacy upon the ocean. The innate sense of freedom in the Dutch at first vigorously

resented and opposed the idea advanced by their English neighbors. Their recent struggle with Spain had still left the Dutch with sufficient stamina to cause them to resist any invasion of their hard-won liberties. Hugo Grotius, whose keen foresight enabled him to note future dangers to which the Republic would become exposed and of which his countrymen seemed unaware, wrote his *Mare Liberum* as a reply to the *Mare Clausum* written by the Englishman Selden. Grotius also foresaw the dangers which threatened the United Dutch Provinces on land. His *De Jure Belli ac Pacis* was a plea for international understanding by the European nations of his day and a protest against the horrors of war and the lack of binding, legal obligations between the European powers. In the writings of Grotius three great ideas are fused; first, a statement of ideal conduct among the European powers; secondly, a description of the actual treatment of the nations of each other; and, thirdly, the advocacy of measures which, if practiced, would enable European society to endure. The lack of understanding of the essentials underlying real freedom by the Dutch people is brought out in their sending of Grotius into exile on an unfounded charge of a religious and political nature.

The Republic continuing to prosper, a following chapter in the thesis shows the influence of wealth in the Republic upon the sense of liberty in the mind of its citizens. With the exception of Friesland, the United Dutch Provinces in reality were being ruled by a small oligarchy, this being true especially of the rich provinces of Holland and Zeeland. There was constant friction between the Regents, the class of ruling representatives, and the Stadtholders, not a few of the latter desiring monarchical powers. During the seventeenth century the Republic was able to magnificently maintain its freedom in spite of wars with England. During the eighteenth century the period of decline set in, due to carelessness to maintain the efficiency of the fleets and of the land fortifications of the Republic and to the neglect of treaty obligations. The people of the Dutch Lowlands, satiated with wealth, gradually lost their former progressive nature. They became the bankers of Europe, but they lost their leadership in the cause of democracy. Johan DeWitt, for a period, with consummate diplomatic skill, succeeded in preserving the Republic. After his assassination by a mob which was angered because of the loss by the Dutch of the third English war, the Republic rapidly lost its prestige among the European powers. When finally the fourth English war swept Dutch commerce from the high seas, the doom of the Dutch Republic was complete.

Toward the closing years of the eighteenth century the struggle of American colonists for independence found a temporary response among the Dutch people. Yet the idea of freedom in its relation to democracy was not esteemed amongst the wealthier classes of the Dutch people. The American cause was sympathized with largely by the middle classes.

The States of Friesland were the first of the Dutch provinces to formally recognize the independence of the sister republic across the seas.

The causes underlying the defeat of Dutch freedom are largely philosophical. They were causes of the mind far more than causes of the mart. The Dutch lost the power to maintain and develop their freedom when they ceased to struggle against opposing elements, individualistic and national, those originating within and those coming from without. Dutch republicanism was lost when, falsely, it appeared to the people of the commonwealth that they had nothing more to fight for or to safeguard. Their reliance upon the *mortmain* of their truly glorious past in the end proved the undoing of their hard-won liberty.

THE PREPARATION AND SPECTROPHOTOMETRIC STUDY OF SOME NEW DYES OF THE MAGENTA GROUP

By JOHN THOMAS SCANLAN*

Microscopists who use basic and acid magenta as stains have found wide variations in the quality. This is probably due to the fact that the usual samples are mixtures of homologous compounds, and the object of this investigation was to study each of these separately and at the same time study some of the new members of the series, not only with regard to their application as stains but from a theoretical standpoint as well. This series furnishes some very interesting facts about the relationships between color and constitution.

Magenta (fuchsin) was discovered by Verguin in 1859, and by 1872 it had been demonstrated by Hofman, Rosenstiehl, and Otto and Emil Fischer that it is the salt of a base, called rosaniline, which is a triaminotriphenylcarbinol in which the three amino groups are para to the central carbon atom. Noelting and Bayer have shown that similar compounds in which only two of the amino groups are in the para position also are dyes but that, if only one para amino group is present, the dyes are very weak, while, if none of the amino groups is in the para position, the compound is devoid of color.

Many formulas have been devised to show the change in structure which accompanies the conversion of the colorless carbinol to the deeply colored salt. The quinoid formula, based upon Fittig's diketone formula for quinone, has received the most universal acceptance, for it can be applied to many classes of colored substances. Bayer offers a formula which represents these colored compounds as carbonium salts analogous to ammonium and oxonium salts, while he considers the corresponding colorless compounds to be ordinary carbon compounds. Willstaetter believes that they are meriquinoid; that is, that the color is due to the alternate making and breaking of the linkages due to the saturation of residual valences, a phenomenon called isorropesis. Some colored compounds, however, have been prepared by Schlenk in which it is impossible to explain the color by either Bayer's theory or by that of Willstaetter. Fierz-David considers the problem so far from solution that he uses a formula in which no attempt is made to show how salt formation takes place and in which none of the accepted chromophore structures is shown.

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The results of this investigation support the quinoid structure inasmuch as they indicate that the structural change which occurs in these triphenylmethane dyes when the color is developed is confined to one benzene nucleus and that the nucleus involved remains permanently modified even after the dye has been converted to the colorless leuco base, in which the power to produce color is not destroyed but latent. This means that if one of the benzene nuclei in a magenta has different substituents from the others, isomers are possible in which salt formation takes place on nuclei bearing unlike substituents.

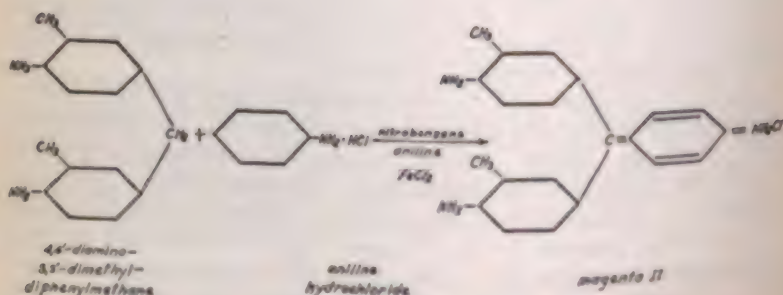
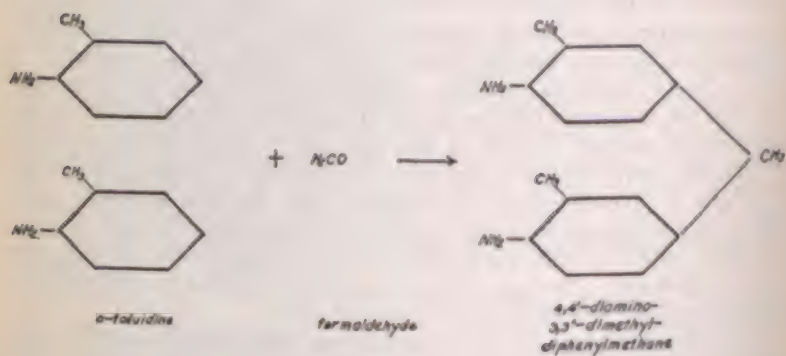
That such isomers exist was demonstrated as follows: Ordinarily in a homologous series of dyes, increase in molecular weight is accompanied by increase in depth of color—that is, a shifting of the wave-length of maximum absorption toward the red end of the spectrum. But in this series it was shown that such is the case only when salt formation takes place on nuclei of identical constitution. For example, magenta II, in which two of the benzene nuclei each carry a methyl group, had absorptive properties more closely related to magenta O, in which none of the benzene nuclei carry methyl groups, than to magenta III, to which it is more closely related in molecular weight, simply because salt formation in both the magenta O and magenta II used had taken place on an unsubstituted nucleus instead of one bearing a methyl group, as must necessarily have been the case with magenta III. Both salt forms of magenta V (five methyls) were prepared, and one was shown to have absorptive properties between magenta III (three methyls) and magenta IV (four methyls), while the other fell between magenta IV and magenta VI (six methyls). The same thing was true with respect to the solubility and crystalline form of these two types of salts.

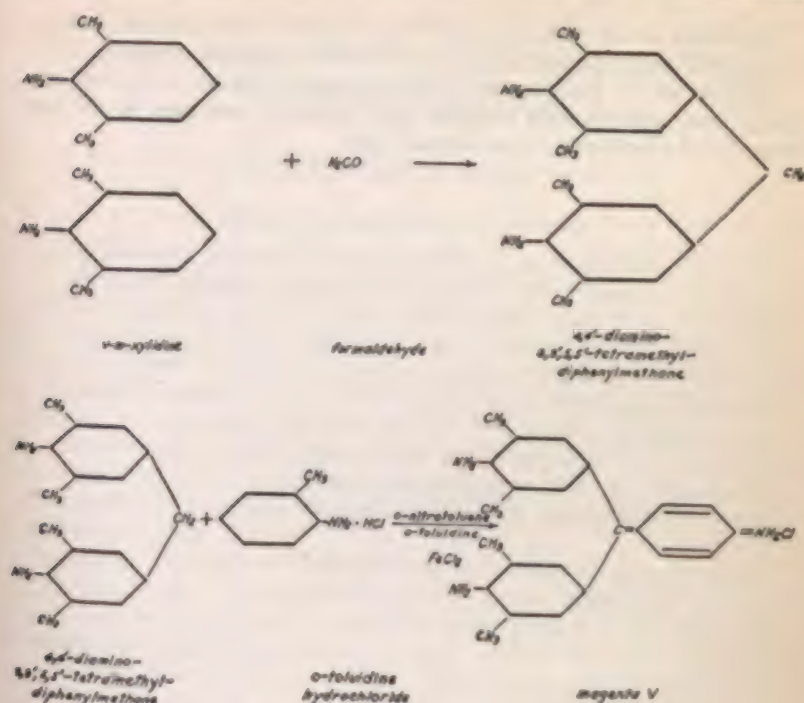
All of the methyl groups in this homologous series are ortho to the amino groups, and, since these are the positions usually assigned to the sulfo groups in ordinary acid magenta, it follows that, if any nucleus carries two methyl groups, it cannot be sulfonated directly if the positions assigned to the sulfo groups are correct. It was found that magenta IV (four methyls) and magenta V (five methyls) could be only partially sulfonated while magenta VI, in which all of the ortho positions are occupied, could not be sulfonated at all. The positions usually assigned to the sulfo groups are therefore shown to be correct.

Three of the dyes used in this investigation were procured from a reliable manufacturer and the others were synthesized. The intermediates used were as follows: Aniline, aniline hydrochloride, o-toluidine, o-toluidine hydrochloride, nitrobenzene and o-nitrotoluene were purchased in a sufficiently pure state for use. Nitro-m-xylene and nitro-p-xylene were prepared by the nitration of pure m-xylene and p-xylene respectively. Commercial xyloidine, from which the as-m-xyloidine had been removed, was treated with hydrochloric acid to obtain pure

p-xylydine, as the hydrochloride and v-m-xylydine was separated as the sulfate from the residue after removal of the o-xylydines as sulfates. Part of the p-xylydine hydrochloride was converted to the free base, and part of the v-m-xylydine sulfate was converted to the hydrochloride and part to the free base.

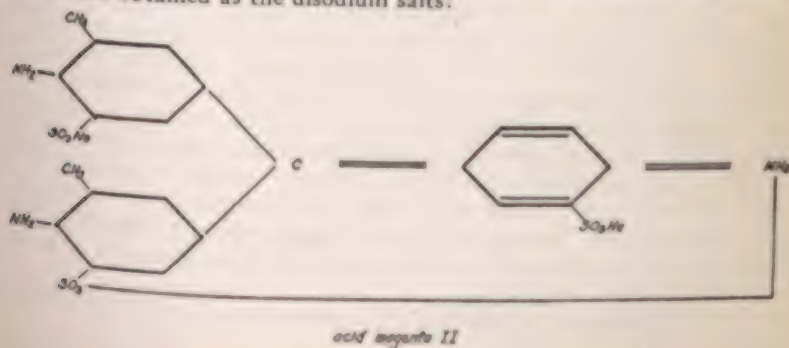
The new magenta process was employed in the synthesis of the dyes. The first step consisted in the preparation of pure diaminodiphenylmethanes by the treatment of the hydrochlorides of suitable homologs of aniline with formaldehyde. The second step consisted of allowing one of these diaminodiphenylmethanes to react with a suitable homolog of aniline in the presence of the corresponding nitro compound and ferrous chloride. The two following reactions are typical:





In the course of the preparation of these dyes it was demonstrated that the nitro compounds employed are reduced to the corresponding amines, which then take part in the reaction and unless suitably constituted give rise to unwanted by-products.

These dyes were sulfonated with 23 per cent fuming sulfuric acid at 80–85° C. The following is a typical formula for the sulfonated derivatives which are obtained as the disodium salts:



Formation of the tri-sodium salt breaks up the inner salt and destroys the quinoid structure and hence the tri-sodium salts are colorless.

Analysis of the products was accomplished by means of the spectrophotometer, and the data obtained were tabulated and used in the construction of absorption curves for each dye.

FOG AND HAZE, THEIR CAUSES, DISTRIBUTION, AND FORECASTING

BY HURD CURTIS WILLETT*

PART I. CONDENSATION NUCLEI

It is generally assumed now in explaining condensation phenomena that there are always present in the lowest few kilometers of the atmosphere sufficient nuclei so that condensation takes place as soon as the relative humidity with respect to water becomes 100 per cent. However, the indications are that there are certain active nuclei present in the atmospheric smoke pollutions in industrial regions which may effect condensation at appreciably less than 100 per cent relative humidity. Since it is to such nuclei that the very dense, persistent, city fogs of numerous very small droplets are to be attributed, it is evident that an understanding of the nature of condensation nuclei is necessary for the explanation and forecasting of fogs.

In general, three types of nuclei have been assumed to make possible in the atmosphere the condensation of water vapor into droplets: (1) neutral dust particles of a surface curvature which is very slight considered in molecular dimensions; (2) small electrically charged particles or ions which neutralize the extreme surface tension on very small droplets; (3) small hygroscopic particles whose chemical affinity for water neutralizes the dissipative effect of surface tension.

The experiments of Wigand, Aitken, and many others with the Aitken kern counter indicate quite conclusively that ordinarily neutral dust particles do not take part at all in the atmospheric condensation processes. Furthermore, Aitken has shown by laboratory experiments that ions do not tend to combine spontaneously to give agglomerations active as nuclei of condensation, but rather to the contrary. He has shown, however, that the action of the sun's actinic rays, as well as an electric discharge, effects an oxidation of SO_2 and possibly other combustion products which furnishes extremely active hygroscopic nuclei of condensation. These are doubtless the nuclei present in the dense city fogs. Hilding Köhler, working at 900 and 1850 meters elevation in northern Scandinavia, has found strong evidence that in the lower cloud levels, far from the industrial sources of atmospheric pollution, the principal condensation nuclei are tiny particles of the moderately hygroscopic sea salt, at least where maritime influences are prevailing. Thus the best recent investigations point more and more strongly to hygroscopic nuclei of one sort or another as

* B.S., 1924, Princeton University; Ph.D. conferred June, 1929.

being the active nuclei of condensation, and not the ions or neutral dust particles. From this it follows that the problem of local fog prevention or dissipation resolves itself into a problem of the elimination of the most active hygroscopic nuclei of condensation.

PART II. THE CLASSIFICATION AND CAUSES OF FOGS AND HAZE

Fogs may be grouped in two general classes, according as they occur more or less consistently throughout the horizontal extent of a homogeneous air mass, or as they occur at the boundary between two such air masses as a result of the meteorological activity taking place there. From this distinction arise the two general group names, air-mass fogs and frontal fogs. All true haze is an air-mass phenomenon, so in the following outline of fog and haze the haze forms are grouped with the air-mass fogs.

A. Air-mass fogs and haze.

1. Advection types.

a. Types due to the transport of warm air over a cold surface.

- (1) Monsoon fog, due to land-sea temperature contrast.
- (2) Sea fog, due to contrasting sea-surface temperatures.
- (3) Tropical air fog, due to the general poleward temperature gradient.
- (4) Tropical air haze, due to the solid impurities frequently present in air masses of southerly origin.

b. Types due to the transport of cold air over a warm water surface.

- (1) Arctic sea smoke—steaming from the open sea into very cold air.
- (2) Autumn early morning steam mists over lakes, rivers, etc.

2. Radiation types, characterized by clear skies and a marked temperature inversion.

a. Ground fog, characterized by a surface temperature inversion.

b. High fog, characterized by an upper temperature inversion.

c. Inversion haze.

3. Maritime fog, characteristic of maritime polar or transitional air cooled over land.

B. Frontal fogs.

1. Prefrontal fogs—occurring before the front passage.

- a. Before a warm front.
- b. Before an occluded front.
- c. Before a cold front.

2. Front-passage fogs—frontal cloud systems which reach their lowest elevation at the passage of the front.
 - a. With a warm front passage.
 - b. With an occluded front passage.
 - c. With a cold front passage.
3. Postfrontal fogs—occurring after the front passage.
 - a. After a warm front.

Considering first the advection types of air-mass fogs, those due to the transport of warm air over a cold surface are the result of an increased relative humidity in the warm air through contact cooling which is carried upwards by turbulence, the specific humidity remaining nearly constant and the vertical lapse rate becoming increasingly stable. Thus the very processes giving rise to the fog increase the stability of the situation and favor the persistence of the fog once formed. On the other hand, those fogs due to the transport of cold air over a relatively warm water surface are the result of an increased relative humidity brought about through a greatly increased specific humidity in spite of a simultaneous temperature increase and hence decreasingly stable vertical lapse rate. Thus the very processes giving rise to the fog decrease the stability of the situation and favor the dissipation of the fog. Therefore, the second group of advection air-mass fogs are relatively unimportant, being unusual, of short duration, and dense only under exceptional circumstances.

Monsoon fog—fog caused by the cooling of continentally heated air as it moves over a neighboring cold water surface. Such fog formation is evidently favored by: (1) a marked temperature contrast between land and sea surface; (2) a high moisture content in the warm air mass; (3) sufficient cyclonic inactivity to permit of a monsoon circulation. Hence this fog occurs in summer, especially off coasts where water temperatures are low. It may be the result of the daily monsoon circulation, in which case it is a regular narrow coastal phenomenon, as typified by the California summer afternoon fogs on the outer coast. On the other hand, it may be the result of more extensive and persistent air movements from land to sea and back again, in which case the fog is much more extensive, irregular, and persistent. Such fogs occur occasionally on the north Atlantic coast of the United States and on the north coast of Europe, especially over the North and Norwegian Seas.

Sea fog—fog caused by the cooling of warm-water-heated air as it moves over a cold water surface. Evidently the same three conditions favorable to the formation of monsoon fog are favorable to sea fog, the only difference being that the contrast is one between water surfaces instead of land-and-water surfaces. One result of this is that sea fog as a rule occurs much farther from shore than monsoon fog and is therefore less likely to be brought on shore. Another effect of this same difference

is that the moisture content, or at least the relative humidity of the warm air mass, is usually initially much higher, and therefore fog occurs with markedly less cooling of the mass in the case of sea fog.

Tropical air fog—fog caused by the cooling of an air current of tropical origin in the course of its movement northward over successively colder regions. The formation of this fog is favored by a strong poleward temperature gradient on the earth's surface, and especially when the underlying surface is water with its high heat capacity. Due to the extreme stratification which gradually develops in such an air current, this fog may form in spite of the turbulence of strong winds.

Tropical air haze—a haze characteristic of tropical air currents, especially over western Europe. It is believed to be due to the presence in such an air mass of fine dust particles which were thoroughly diffused throughout the mass at its source. The turbidity or haze thus produced renders the atmosphere characteristically opalescent.

Arctic sea smoke—steaming, possibly to the extent of fog formation, which occurs over open water in extreme cold. It is due to the fact that the vapor pressure over the water is greatly in excess of the saturation vapor pressure at the very low temperature of the air. Since this steaming produces marked heating and tendency to instability in the cold air, it can produce real fog only in the case of (1) an extremely stable stratification above the water surface which is maintained by the drainage of radiation-cooled air, and (2) such low initial air temperatures that little moisture is required for saturation.

Autumn early morning steam mists—exactly the same in principle as arctic sea smoke. In this case, if stability is maintained over a limited inland body of water by drainage of radiation-cooled air from the surrounding higher ground, real fog may result.

In contrast to the advection fogs, which are dependent upon the transport of an air mass to different surroundings, the radiation fogs are favored by a minimum of air movement.

Ground fog—the very frequent inland fog formed on clear nights and of greatest density in low-lying places. It is densest near the ground, becoming thinner with elevation, at the same time that the air is coldest at the ground with an inversion extending at least to the top of the fog. This fog is formed as a result of the cooling of the lowest air levels, which is effected by (1) contact with the radiationally cooled ground surface and spread of this cooling upward by turbulence, and (2) direct radiation to space from the lowermost humid air layers. Therefore the formation of ground fog is favored by (1) absolutely clear skies; (2) high specific humidity at the ground, decreasing rapidly with elevation; and (3) very light winds but not complete calm. Since these same conditions favor the local accumulation near the ground of the hygroscopic nuclei present

in the atmospheric pollutions of industrial regions, it follows that this type of fog is frequently intensified in the large cities.

High fog—fog having its greatest density and the base of the temperature inversion at some hundreds of meters above the ground. In this case the temperature inversion is very persistent, originating usually as a surface of subsidence. The moisture and dust discontinuity at such a surface render it an effective radiating surface, hence cooling and the first condensation begin there, the fog either growing eventually down to the ground or remaining a low stratus. The formation of a dense, persistent fog in this manner is possible only when the underlying cold-air mass is maritime polar air. The whole formation is limited to stagnant anticyclones, where subsidence surfaces become low and marked.

Inversion haze—smoke haze caused by the preventive action of a temperature inversion on the upward dispersion of smoke impurities. Hence there occurs ground haze and high haze according as the inversion is at the ground or above.

The third type of air-mass fog, called maritime fog in the outline, is both advectional and radiational in nature. It is caused by the cooling which always takes place in the lower levels of a maritime polar air mass moving inland in winter. It may occur either in a mass of fresh maritime polar air, in which case the net effect is a lessening of the steep vertical temperature gradient through the relative cooling of the lower levels by radiation, or in the lower levels of a stable transitional maritime polar air mass moving northward over a cold surface. It follows that this fog occurs primarily in regions a short distance inland from exposed coasts.

The frontal fogs, in contrast to the air-mass fogs, usually occur in rather definite bands or zones which move with the front to which they belong and keep a fixed position relative to the front.

Prefrontal fog—fog occurring in a zone of variable width on the forward side of an advancing front. It may occur before a warm, cold, or occluded front, though those before a warm front are the most frequent and extensive. They are to be explained primarily by two factors: (1) the decrease in temperature caused by the adiabatic expansion accompanying the prefrontal pressure fall, and (2) the saturation of lower layers of the prefrontal air mass by the front rain. In the case of the cold front there is usually no prefrontal rain. However, the surface layers of the warm air in the preceding warm sector are usually very humid to begin with. And the cold front fog is the least common of the prefrontal fogs.

Front-passage fog—migrating, low cloud systems which reach their lowest elevation at the front passage, frequently at high or exposed situations, and very rarely at low or protected situations appearing as surface fog. Warm fronts are most likely to be accompanied by the lowest cloud deck.

Postfrontal fog—occurs very rarely after the passage of a warm front only. It is due to mixing of the foremost portions of the moist, warm air current with remnants of the preceding cold air mass, saturated by the warm front rain, which have been left behind obstacles (mountain barriers, etc.) in the recession of the cold air mass.

PART III. A DISCUSSION OF THE APPLICATION OF THE PRECEDING
GENERAL PRINCIPLES TO THE PROBLEM OF FORECASTING EACH
OF THE KINDS OF FOG OUTLINED ABOVE

PART IV. A CONSIDERATION OF THE PROBABILITY OF THE OCCURRENCE
OF EACH OF THE ABOVE-MENTIONED KINDS OF FOG APPLIED TO
THE PROBLEM OF CHOOSING AERODROME SITES WITH THE
LEAST FOG FREQUENCY

PART V. A STUDY OF THE PRINCIPAL FOG FORMATIONS AT HADLEY
AIRPORT AS DETERMINABLE FROM THE LOCAL METEOROLOGICAL
RECORDS TOGETHER WITH THE UNITED STATES WEATHER
BUREAU WORKING CHARTS

The purpose of this investigation was simply to find out how far the above classification of fogs might be applied to the fog formations at a random station in the United States and to determine something of the relative frequency in the eastern United States of the fog types discussed above. It was found that all the fogs occurring at Hadley Airport might be placed fairly satisfactorily in the above fog classification, though in some instances the conditions favoring more than one fog type were present at the same time. Concerning the prevailing types of fog at Hadley, it appeared that:

- (1) More than half the fogs occurring there are radiation fogs.
- (2) After radiation fog comes, surprisingly enough, monsoon fog, about one sixth of the total. The monsoon fogs occur primarily, but by no means entirely, from May to August. They are brought inland by cyclonic wind circulations, and not by the daily monsoon wind.
- (3) Almost as numerous as the monsoon fogs are the prefrontal fogs.
- (4) There were also a very few front-passage fogs, and a number of maritime fogs of the warm transitional maritime polar-air type.
- (5) Tropical-air fog was completely missing, as a result of the inaccessibility of the place to tropical air in winter and the continental course which such air must follow in reaching Hadley.
- (6) All cases of dense haze were of the high inversion type, occurring during the winter months. Tropical-air haze is evidently rarely of troublesome density in this region.

ON THE GEOMETRICAL THEORY OF HALOS

By EDGAR WILLIAM WOOLARD*

The immediate solution of many of the unsolved problems in the theory of halos is rendered difficult or impossible by the insufficient quantity and unreliable character of much of the observational material. However, while awaiting the accumulation of more and better data, much helpful progress can be effected through a method of attack which has not before been applied in an exhaustive way. This method adopts various forms of ice crystals which observation demonstrates exist in the atmosphere from time to time, systematically deduces all the optical consequences which would result from the presence of each form under various conditions, and compares the results with records of observations.

The purpose of the present investigation is to make a systematic and exhaustive application of this latter method to the construction of a complete geometrical theory of halos, accompanied by an adequate set of formulae, tables, and diagrams, for future use in facilitating the discussion of actual observations and in helping to perfect the theory of the origin of the different halo forms and their combinations.

After a discussion of the forms of ice crystals which it seems necessary to take into account, the fundamental optical equations are derived and then applied to the deduction of formulae for the loci of the images corresponding to all possible orientations of the crystals in space at each of all altitudes of the sun or moon.

The study closes with a brief indication of the way in which the results may be used in the discussion of particular halos, together with a description of a few observed halo displays which present features of unusual interest.

* A.B., 1923, The George Washington University; A.M., 1926, The George Washington University; Ph.D. conferred June, 1929.

THE CAMBRIAN ATREIMATE AND NEOTREIMATE BRACHIOPODS OF THE UPPER MISSISSIPPI VALLEY

By IRA EDWARDS*

This paper is an outgrowth of investigations of the stratigraphy and paleontology of the Upper Cambrian deposits of Wisconsin, Minnesota, and Iowa, which have been carried on during the past five years. This work has been a continuation and enlargement of similar studies, largely performed by Dr. E. O. Ulrich under the auspices of the Wisconsin Geological Survey. This investigation is planned to include the study of all exposures of Cambrian rocks in this area, a complete revision of the geological map, and the description of all paleontological remains found in these rocks.

This region is being given such careful study because it has proved to be, probably, the most important section of Upper Cambrian rocks on the North American continent. So far as now known this area furnished the most complete representation of the different faunas which lived through this period of time, and these deposits are those with which all other rocks of the same age must be compared. This importance has been recognized by practically all who have worked on Cambrian stratigraphy, and the name *St. Croixan*, chosen because of the excellent exposures along the St. Croix River, has been almost universally applied as the period name for the Upper Cambrian.

The area of exposure of these rocks has never been examined in detail, and almost no work has been done since the original reconnaissance surveys which were completed nearly a half century ago. Within the last decade the construction of modern highways has not only made the region more accessible but has provided the geologist with hundreds of exposures, in the form of road cuts, which were never before available.

The collecting of fossils was carried on throughout the progress of the geological mapping and has resulted in the formation of what is undoubtedly the largest accumulation of paleontological material ever gathered from this area. In every instance these fossils are accompanied by detailed stratigraphic information which makes them of more than usual value in the interpretation of the many faunal changes throughout the Upper Cambrian period.

This thesis embodies the description of the atreimate and neotreimate brachiopods included in this collection. Next to the trilobites the brachio-

* B.S., 1913, University of Rochester; M.S., 1914, University of Rochester; Ph.D. conferred June, 1930.

podas are the most numerous and most important element in the Cambrian faunas. This paper shows them to be of even more importance than was previously suspected, for a close discrimination of species has demonstrated that individual forms are almost without exception confined to single formations and frequently occur in well-defined zones within a formation. This limited vertical range, combined with the wide geographical area over which these zones are distributed, makes these species of the utmost value as index fossils. This work, therefore, has perhaps a greater value as a contribution to stratigraphy than as an addition to the taxonomy of brachiopods.

Detailed descriptions are given of eight genera, one of which is new; forty-six species, of which twenty-five are new; and two varieties, one of which is new. The new genus, *Parabolus*, is established to differentiate the American and Asiatic species which have been referred to the genus *Obolus* Eichwald, from the European forms which properly belong in that genus. Considerable knowledge has also been added to our understanding of the genus *Lingulella* Salter, which has resulted in a more exact definition of that genus.

The following stratigraphic distribution of the brachiopods has been determined:

Eau Claire formation:

- Cedaria* zone, three species
- Crepicephalus* zone, fourteen species

Franconia formation:

- Iron-ton member, two species
- Lingulella minuta* zone, one species
- Wilburnia* zone, nine species
- Ptychaspis* zone, one species

Trempealeau formation:

- St. Lawrence member, three species
- Lodi member, fifteen species
- Norwalk member, four species

From this data it can be seen that there are three principal faunas of atremate and neotremate brachiopods in these rocks. The lowest of these, that of the Eau Claire sandstone, is represented by identical species in the Deadwood formation of the Black Hills, in the southern Appalachians, and in the Reagan sandstone of Oklahoma. The second, or fauna of the Middle Franconia sandstone, occurs in the Deadwood formation of the Black Hills region and in the southern Appalachians. The uppermost fauna, that of the Lodi shale, is found in the Los Caballos Mountains of southern New Mexico and in the vicinity of Leadville, Colorado. This distribution of the brachiopods accords very well with what is known of the distribution of the trilobites which accompany these shells, in each of the faunas here considered. They show in general that these faunas were derived from the Pacific and that the closest relatives of the Wis-

consin species may be expected in the Cambrian rocks of the Rocky Mountains and the southwestern part of the United States.

Upper Cambrian time was a period of great submergence of the North American continent in which the Pacific Ocean played the leading role. Continental seas connected with that ocean covered the Rocky Mountain region, and arms extended far into the interior of the continent, reaching into northern Wisconsin in one direction and into the southern Appalachians in the other. That this inundation was not a continuous sheet of water is shown by the variation in the faunas of rocks believed to be contemporaneous in the different districts.

Brachiopod faunas of the Upper Mississippi Valley have their closest parallel in the brachiopod faunas of the Black Hills of South Dakota and Wyoming. An examination of the well records in Minnesota, Iowa, North and South Dakota, and Nebraska has shown that this connection was not direct. A buried ridge of pre-Cambrian rocks extends from the southern shore of Lake Superior southwestward across the State of Minnesota, crossing the Minnesota River near New Ulm. It continues across eastern South Dakota in a more westerly direction, reaching the Missouri River in the neighborhood of the city of Chamberlain. This ridge seems to separate two rock basins: that of Manitoba on the north and that of the upper Mississippi Valley on the south. Both of these basins received deposits during greater or less portions of Paleozoic time, but the sections in the two regions cannot be closely correlated except in a few instances. This leads to the belief that this ridge was an effective barrier throughout most of Paleozoic time. No Cambrian deposits have been recognized in the Manitoba Basin.

Cambrian rocks are extensively exposed in the upper Mississippi Basin and are recognized in practically all deep wells which have been drilled through the overlying deposits. The thickness of the Cambrian rocks regularly increases southwest of their area of exposure along the Mississippi River in Wisconsin and Minnesota. The greatest known thickness occurs in eastern Iowa, where over seven hundred feet of sandstones have been reported. As one proceeds westward the thickness apparently diminishes, but the records are few, as the rocks are very deeply buried. At Lincoln, Nebraska, only 167 feet of sandstones are referred to this series. This would seem to indicate that the basin of the upper Mississippi Valley had its greatest depth a short distance west of the present course of the Mississippi River and its western shore somewhere in the region of central Nebraska. Its northern edge crossed the southeastern corner of South Dakota and had its northernmost point about halfway between the cities of Minneapolis and Duluth in Minnesota. The connection with the Black Hills was apparently around the southern end of this buried ridge, which is probably in western Nebraska or northwestern Colorado.

SOCIAL CHANGES

By JOSIAH TURNER NEWCOMB*

The thesis defines social changes as changes which affect in any manner the instrumentalities which enable individuals to carry on life activities. For the purposes of the thesis the divisions or compartments into which it has become the custom to separate individual life activities and human interrelations are intentionally discarded. Economic science deals with wealth, occupation, human wants and how they are supplied, labor, employment, production, distribution, money, land, rent, and with various conceptions of value; political science deals with government, legislation, jurisprudence, administration, public finance, etc.; religion, whatever else it deals with, in the western world at least supplies rules of conduct and concrete maxims which have been widely accepted as the criteria of behavior; besides, there are innumerable cultural capacities, including esthetics. All of these are fields or meeting grounds for human social interrelations, they are in fact inseparable, and all of them are subject to change. The definition includes them all. A change in the method or in the means of producing or distributing food may properly be classified under economics, but it would also involve a change in human interrelations and therefore possess a social aspect. The same is true of changes in governmental forms, constitutions, and judicial and administrative practices. The same is true of changes in the practices or the doctrines of religion, of the rules of conduct prescribed, and of the course of human beings in disobeying or disregarding these rules. The definition includes also human thoughts which have happened and been recorded, and the profound changes which have resulted from changes in methods of thought. These are all concrete facts of social significance, and they may be dealt with objectively precisely as other facts. No attempt is made to catalogue social changes which have recently taken place, are taking place currently, or may reasonably be predicted as about to take place; but illustrations are freely taken from changes in territorial sovereignty, international balance, government forms, religion, ethical standards, marriage relations, education, population distribution, production and distribution of food, fuel, and other essential commodities, corporate practices and finance, transportation and communication, public and private credit, amusement facilities and habits, and other forms and instrumentalities of life activities and human interrelations.

From the illustrations suggested it is made clear that in modern complex civilizations change is a predominant factor, but one which is frequently

* A.B., 1892, Williams College; A.M., 1925, The George Washington University; Ph.D. conferred June, 1930.

deprived of emphasis by reviews which stress such factors as prosperity or progress, or represent mere glorifications of gigantic achievements. Not infrequently a quite different note is to be discerned, a note of bewilderment rather than of confidence or mastery. In either case the naked idea that our world has become a world of constant and accelerating change is not fully realized; on the contrary, there is a tendency to ignore change, to minimize it, or to insist that changes occur only in connection with extraordinary occasions. So strong is the subjective tendency to see our world the same today as we saw it yesterday, and to expect to see it so tomorrow, that a sense of stability is able to sustain the rudest of shocks without more than a temporary dislocation. Thus a distinct contrast frequently exists between experience and habit of thought.

With the factor of change kept constantly in mind, the thesis undertakes to inquire: (1) Whether social changes can be understood or made understandable? (2) Whether social changes can be usefully predicted? (3) Whether social changes can be evaluated? (4) Whether social changes can be directed or controlled? It is realized that these are age-old questions, to which many answers have been given only to be discarded; but also it is realized that these questions persist. Whether any new light has been shed upon them is therefore the real subject of the inquiry. The conclusion is reached that some new light has appeared, though new light, the product of science, frequently reveals unknown dark passages which themselves must later be explored. It is admitted that none of the questions, except possibly the first, and that is doubtful, can now be completely answered. A manner of dealing with the second and third is all that can be hoped for, at any rate in the present. The fourth raises new questions which perhaps can be usefully stated. To the question whether under such circumstances it is worth while to renew the old inquiries at all, the answer is offered that they renew themselves, and never more insistently than in the present day.

It is pointed out that whether or not social changes can be understood, and whether or not they can be made understandable for the practical purpose of dealing with them effectively, are separate questions which require separate and different treatment. Certain new capacities have been developed for the understanding of social changes, and these capacities are not only accepted and utilized in the scientific world but moreover have to a considerable degree displaced outworn earlier conceptions and methods. However, in the interpretation of social changes, that is, in making them understandable in the wide field in which they must be dealt with and to the human beings who must deal with them, the development of method has not only been slower but also less complete and decisive. Mere verbal criteria, rejected by scientists dealing with their specialties, are still constantly in use in interpreting social changes, and it is observed that even scientists outside their specialty not infrequently

permit themselves to make use of verbal criteria as a basis of their judgments.

Four new capacities for understanding social changes are referred to: (1) A new application of the conception that social factors belong to the subject-matter of history. (2) A new critical method in historical research. (3) New methods of social research by means of organized effort under scientific direction. (4) New methods of statistical analysis. It is asserted that social changes can now be more perfectly understood by those who are capable of applying the new capacities, but it is remarked that new instruments of precision, like new toys, must be handled with some caution. Often too much is expected of them. If they are ill used they break or fail of their purpose. Statistical technique is in this class. Especially as applied to the social sciences, in which indirect measurements are frequently the only sort available, it is necessary to remember that factors, all of which are subject to change, cannot by any method, statistical or otherwise, be reduced to unvarying formula. The caution is shown to be applicable to statistics as well as to "reasoning," although it is added that "reasoning" will sometimes unconsciously attempt unvarying formulations from varying data, while the barest rudiments of statistical technique will inform the most ambitious that such formulations are impossible and that only willfulness can dictate further pursuit of them.

Whether social changes can be made understandable to the men and women who are affected by them and who must in the last analysis deal with them, if they are to be dealt with at all, is shown to depend on the development of other capacities not yet sufficiently in evidence. Some of the obstacles are pointed out in the chapter devoted to evaluation of social changes. Almost all discussions of social problems come at the end to plead for more and better education. Though quantitatively popular education has increased many fold since Lester F. Ward wrote his appeal a half century ago and though standards of education, too, have advanced, the question is raised whether popular judgment has become more discriminating, more objective, less guided by passing emotions, prejudices, formulas (slogans), and opinions unfortified by information. Has what we call human nature been explored sufficiently to make clear exactly how human judgment can be educated? It is suggested that Sociology has a peculiar interest in such an exploration, quite independent of Psychology, and that here one of the dark passages is revealed by the new scientific light and marked for further investigation.

As to whether or not social changes can be predicted, the long-continued and still-persisting search of social philosophers for unvarying natural laws of social evolution is noted. The profound influence of supposed biological analogies is briefly traced. Finally, however, the observation is recorded that thus far no one is able to assert with confidence that

natural laws of social evolution dependable for purposes of prediction have been discovered.

It is noted, nevertheless, that some shrewd predictions of social changes have been made from time to time. Consequently, a disposition to reject prevision intermingled with old ideologies, maxims, formulas, and faiths has been in a certain degree checked and modified. It is observed that objectivity is not altogether an invention of the modern age and that it was not so much the absence of objectivity as the limits of objectivity which disorganized the thinking of the eighteenth and nineteenth centuries. Up to the limits of their objectivity some of the earlier writers were able to discover, in the social phenomena examined, traces and tendencies which guided them to useful predictions. These observations and modern studies utilizing the improved technique of the present day, suggest that such predictions of social changes as are possible will result from direct objective scrutiny of past and existing social phenomena. In the course of such scrutiny it is supposed that the method of the physical sciences will not be followed—that is, the rejection of the unique and the search for common invariable elements. On the contrary, the phenomena will be examined exactly as they have been and are, in time, in place, in quantity, as well as in quality. The search will be for traces and tendencies, and the predictions will be in the form of probabilities, not certainties. Not only the complexity of social phenomena, but, even more, the probability of change, are involved. There are tendencies of imitation, assimilation, adaptation, uniform response where there is consciousness of kind—in fact, traces and tendencies corresponding to substantially all of the categories which sociologists have set up; but all these tendencies are abundantly and increasingly subject to change. Under these circumstances prevision must take the form of a weighing of probabilities, the method of practical daily affairs, where expectations are taken as working hypotheses and acted upon with a minimum percentage of disappointment.

The evaluation of social changes is a subjective process which awaits manifestation in any general or universally accepted modes. At present evaluation is an individual psychic experience, though groups and associations are formed on the basis of real or fancied similar evaluations.

The confusion in face of modern social conditions, which all observers notice as a striking phenomenon of the times, results from the disappearance or modification of old criteria previously regarded with confidence; also from the failure of confidence in authority.

If science has been expected to become a substitute for authority, it has not fulfilled its mission. It has no such mission, a truth which too seldom is realized. Too often those who begin with a scientific spirit halt halfway and search for new sources of authority. One suggests a cult of loyalty, another of humanism, another a mystic union of eastern

and western philosophies. These are avenues of escape from an unsolved problem. Meanwhile, in individual psychic experience evaluations are constantly being made, and now and again these evaluations are taken up and acted upon by associations and groups, sometimes by governing minorities who enforce them in regional jurisdictions. Here again are revealed dark passages yet to be explored.

Social control is seen to wait on definition of aim (evaluations) and on more perfect instrumentalities of control. The potentially all-powerful political state appears to many the most fitting of social instruments. The prevailing governmental form is democracy; not an abstraction, but a visible, concrete scheme of social organization, dependent for direction and policy upon majority vote of an entire jurisdiction. Democracy as a form of government has been abundantly criticized, but the criticisms have been disregarded, and as a governmental form democracy has spread over substantially all of the civilized world. The forms which have been adopted were devised before the industrial revolution and the age of machinery, and alterations and adaptations have not kept pace with economic, social, and industrial changes. Meanwhile, in the realm of social institutions other than those that are governmental, experiment and invention have been constant. Some of the defects anticipated by both the early opponents and the advocates of the democratic form, have become visible in experience, together with other defects, not anticipated at least by the advocates, such as the weakness which has developed in legislative branches. The defects suggest improvements and modifications rather than abandonment.

There is a tendency to emphasize other instrumentalities of social control: consumers' cooperatives; occupational guilds; labor and trade and professional associations, voluntary in character but possessing qualifications for informed and expert guidance. These are sometimes suggested as actual substitutes for the sovereign state, but more frequently as factors of management and administration subordinate to a sovereign state.

The rapidity of change in a civilization like our own calls insistently for something beyond observation, however objective; more than synthesis, however complete. It calls for action as well, but action guided by knowledge, not by ignorance and impulse. Blind faiths and blind passions are the beclouding factors. These do not descend by physical inheritance. Too often they are inculcated, and sometimes sanctioned in education. It is the part of education to impart information and make known the records of experience; far more to develop a human intelligence to which blind faith and blind passions are foreign and impossible. It may take ages; it may speedily occur. Human intelligence renews itself unspoiled each generation. To keep it unspoiled and to inform it is the educational problem.

THE DEVONIAN CORAL FAUNAS AT THE FALLS OF THE OHIO RIVER

By WALTER COURTNEY WERNER*

This piece of research work was carried on during the winter of 1929-30 while the author was in residence at The George Washington University. The work was done at the United States National Museum, under the direction of Dr. R. S. Bassler.

The subject-matter refers to one of the most complicated problems of synonymy in American paleontology, both in the biologic sense and in the stratigraphic position of the species. The present thesis is a brief abstract of the author's work upon this problem. The complete results will appear in published form later, after he has had opportunity to verify his results by comparison of the types contained in collections elsewhere.

Previous work: In 1820 descriptions of some Devonian corals from the Falls of the Ohio were published by Rafinesque and Clifford and by Le Sueur. The list of described forms was added to by Troost between 1840 and 1844. Further additions were made by Milne-Edwards and Haime in 1851 and by D'Orbigny in 1850. Rominger, in his *Michigan Fossil Corals* (1876), included many forms from the Falls of the Ohio in his list of new species. James Hall in 1882 described and figured more than sixty new species from the Falls, in *Indiana Geology*, volume XII. Davis's *Kentucky Fossil Corals*, which appeared in 1887, named and figured well over a hundred new species, the descriptions of which have never appeared. Finally George K. Greene, in his *Contributions to Indiana Paleontology*, 1898-1906, named and described very many new species with figures.

Nature of the early work: The species of Rominger were frequently composites based on a series of cotypes from a variety of horizons and localities and not infrequently embracing under one name as many different species as there are cotypes.

Davis named and figured many new species without any descriptions and frequently without adequate illustrations. A critical examination of his work indicates that he did not make an exhaustive study of the previously described species of the same ages from this and other localities. Certain of Davis's species are composites based upon cotypes from more than one species and sometimes from different genera.

George K. Greene had very inadequate figures, frequently inadequate descriptions, and likewise showed too little regard for the previous work on these faunas.

* A.B., 1917, University of Missouri; Ph.D. conferred June, 1930.

Of all these authors, James Hall was probably the only one who could be called a stratigrapher. A great many of Hall's specimens were collected by other men. In fact, all of these authors bought, traded, and borrowed specimens destined to become types, from amateur collectors. That many of the figured specimens are assigned to wrong horizons there can be no doubt. Since the results of the present researches are based entirely on museum and library work, there can be no hope of correcting such errors in this study.

The faunas: The activity of many energetic and assiduous students for 110 years has produced descriptions of 763 species of organisms from the middle Devonian beds of the Falls of the Ohio locality. That the faunas are very large and varied can admit of no doubt; but that they are as large as is implied above is very much open to question.

From the preceding discussion of the character of the previous work on the fossils of this region, it can be realized that there is much confusion in the literature as to the *valid* names of species. Some species have been described under several different names, and many specific names cover more than one species of animal. Another cause for confusion and error arises from the fact that these early collectors were not stratigraphers and were not always too particular as to accuracy in assigning species and specimens to particular horizons. This is particularly true of the specimens collected from the drift. With the chief interest centering on the beauty of the specimen, the honor of naming species, and the monetary value of type specimens, and with so many untrained amateurs collecting specimens which later became types, it is little wonder that many mistakes as to locality and horizon have occurred.

Most of the groups of animals represented in these faunas have been restudied and revised. The corals, however, have been very much neglected for this and other American localities.

The present results are based upon the study of the excellent and comprehensive collections of material from the Falls of the Ohio and neighboring localities which are in the United States National Museum. These studies are limited to a critical study and analysis of the species of mid-Devonian corals named by Davis, Greene, and Hall, and to those species of Rominger whose types in whole or in part came from the Falls of the Ohio. The purpose of these studies has been the correction of such cases of synonymy as could be discovered between the coral faunas of these several authors.

The middle Devonian coral faunas from the Falls of the Ohio comprise 411 species, of which 307 are Onondaga and 104 are Hamilton in age. The genera which comprise the largest number of species are those in which one finds the greatest amount of individual variation among individual species. The figure 411, quoted above, is exclusive of the synonyms recognized in the present study; of the latter there are 58.

The present investigation is limited to the validity of species. In the past thirty years considerable work has been done upon Paleozoic coral genera. It has not been possible to revise this very long list of species generically, but it is hoped that later researches on these faunas may accomplish that also.

Unquestionably these faunas are still much too large and need much further study and revision. There are undoubtedly many named species based upon types which illustrate nothing more than interesting individual variations in biological structure and condition of preservation; indeed, several such have already been discovered. Most of the type specimens are in New York, Ann Arbor, and Cambridge. The present studies cannot be profitably pursued further without visiting and working upon the actual type specimens.

This work was undertaken in the spirit of an apprentice. The author hopes that subsequent researches may encompass the whole field of Devonian corals of North America.

THE ASSESSMENT AND COLLECTION OF THE FEDERAL INCOME TAX

By CHARLES F. BARWICK*

In 1909 President Taft, in a message to Congress, recommended a constitutional amendment authorizing a general income tax without apportionment among the States, to avoid the rule laid down by the Supreme Court in *Pollock v. The Farmers' Loan and Trust Company* holding such a tax unconstitutional. Such an amendment was proposed by Congress and subsequently ratified by the State legislatures; but in the same year, also acting on Taft's suggestion, Congress levied an excise tax on corporations, amounting to 1 per cent of the net income in excess of \$5,000. While from the legal standpoint this was an excise tax (measured by the amount of net income received) on the privilege of artificial persons of performing business, it amounted, for most practical purposes, to an income tax on corporations.

Following the adoption of the Sixteenth Amendment Congress enacted a general income tax on October 3, 1913, which applied to individuals and corporations alike. The rates were increased by the Revenue Act of 1916, enacted to raise additional revenue necessary as a result of the European War, but the income tax still remained a minor source of revenue. It was not until the entry of the United States into the World War that, by virtue of the Revenue Acts of 1917 and 1918, which increased the rates to unprecedented heights, the income tax became the country's chief source of revenue. While the rates have since been reduced by the Revenue Acts of 1921, 1924, 1926, and 1928, they remain much higher than under the prewar acts, and the income tax is still relied upon to provide the great proportion of the national revenue.

The act of 1909 provided a system for the collection of the excise tax on corporations similar to that now in use for the collection of the income tax. It contemplated a return by the corporation, assessment of the tax by the Commissioner, and collection by the collector. However, the act of 1913 created a system for the collection of the normal tax on individual income at source, under which the debtor was required to deduct the tax on income paid to the creditor, and in turn to hand this tax over to the governmental collection agencies.

It was argued, in favor of collection at source, that it was the only system which would certainly and without loss secure the collection of the tax. However, there were serious defects to this system, the most

* A.B., 1926, University of Oklahoma; A.M., 1928, University of Oklahoma; Ph.D. conferred June, 1931.

important of which was its excessive cost. A group of financial institutions who acted as paying or fiscal agents for corporations reported collection costs for 1914 varying from 10 to 20 per cent of the amount turned over to the Government. One corporation which paid coupons on its bonds over the counter, thus bearing the entire cost of collection, reported a collection cost of 70 per cent. The constitutionality of collection at source was also attacked on the grounds that it violated the due-process and uniformity clauses of the Constitution, but these objections were overruled by the Supreme Court in *Brushaber v. Union Pacific Railroad Company*.

In 1917 the only class of taxpayers who urged the retention of the system consisted of the owners of bonds which contained a tax-free clause under which the corporation agreed to pay the tax thereon. As a result of the general dissatisfaction the Revenue Act of 1917 repealed the general collection-at-source provisions, retaining the system only as to tax-free bonds and as to the income of non-resident aliens. It was generally agreed that this was the only system which would insure the collection of the income tax from non-resident aliens, as they are outside the jurisdiction of the United States.

The system under which the great part of the income tax is collected (and even under which most of the income tax under the acts of 1913 and 1916, providing for collection at source, was collected) is one providing for a return by the taxpayer, assessment by the Commissioner, and collection by the collector. The return is required to show the gross income, the deductions to which the taxpayer believes he is entitled, the amount of net income, the personal exemptions and credits allowed, and, finally, the taxpayer's computation of his tax.

Prior to the act of 1918 returns were required to be filed with the collector of the appropriate district on or before March 1 of the year following that for which the income was received, and under the later acts on or before March 15 of such year. However, under the acts of 1913, 1916, and 1917, corporations with a duly established fiscal year were permitted to file their returns on the first day of the third month following the close of such year, and under the later acts all taxpayers, whether individuals or corporations, keeping their books on the basis of a fiscal year, are required to file their returns on or before the fifteenth day of the third month following the close of such year. Since the act of 1921 the due date for returns of non-resident aliens has been June 15, or the fifteenth day of the sixth month following the close of the fiscal year.

Provisions have been contained in all the Revenue Acts for extensions of time for filing returns in meritorious cases. At present the Commissioner is authorized to grant a reasonable extension of time for filing returns "under such rules and regulations as he shall prescribe with the approval of the Secretary." He has therefore delegated authority to collectors to

grant extensions for not over ninety days in cases of absence, sickness, or inability to secure data to make a proper return. Before the expiration of this ninety-day period the taxpayer may apply to the collector for an additional ninety-day period, and in this manner an extension up to six months from the due date of the return may be granted by the collector. In such cases tentative returns showing the estimated amount of tax must be filed and the first instalment of tax as shown thereon must be paid as conditions of granting the extension.

Penalties have existed under all the Revenue Acts for delinquency in filing returns. These penalties have been of two types, *ad valorem* and specific. *Ad valorem* penalties are based on the correct amount of tax and are assessed and collected at the same time and in the same manner and as part of the tax. The *ad valorem* penalty was 50 per cent of the tax, prior to the act of 1918, and 25 per cent of the tax thereafter. The present rule is that if the failure is due to a reasonable cause, and not willful neglect, the penalty will not be assessed. "Reasonable cause" has been defined as "a cause, or condition of facts, which, had the taxpayer exercised ordinary business care and prudence, would have made it impracticable or impossible to file the return within the prescribed time."

Specific penalties are recoverable only by court proceedings and have been authorized since the act of 1924 only if the failure to file the return were willful. The specific penalty was fixed at from \$1,000 to \$10,000 by the act of 1909; at from \$20 to \$1,000 in case of individuals, and not in excess of \$10,000 in case of corporations, by the acts of 1913, 1916, and 1917; and not in excess of \$1,000 by the acts of 1918 and 1921. Under all the acts failure to file the return with fraudulent intent has constituted a misdemeanor punishable by fine or imprisonment or both. The early acts made no distinction between failure to file due to fraudulent intent or failure due to other causes, and as it was recognized that the specific penalty was too severe in cases where no fraud was involved, the Commissioner adopted the policy of compromising the penalties in such cases for, as a rule, \$10 in case of corporations and \$5 in case of individuals, under the general authority conferred on him by the Revised Statutes.

Prior to the act of 1918 the tax shown due on the return was required to be assessed by the Commissioner, notice and demand for payment thereof to be given by the collector, and the amount in question to be paid by June 30 (under the acts of 1909 and 1913) or by June 15 (under the acts of 1916 and 1917) or, in case of a corporation with a duly established fiscal year, within 120 or 105 days after the return was due. The act of 1917 encouraged the payment of the tax before the due date by offering interest at 3 per cent a year on the amount of advance payments. Tax paid in advance was to be paid in instalments distributed through the first six months of the year. Since the act of 1918 the tax must be paid either on the due date of the return or in four quarterly instalments,

the first falling due on the due date of the return. Provisions have existed since the act of 1918 by which an extension of time may be secured for the payment of the tax or an instalment thereof. The Commissioner may now grant extensions of time for the payment of the tax or an instalment, or part thereof, for not to exceed six months, on the request of the taxpayer, and to collect interest at 6 per cent a year during the period of the extension. A bond not exceeding double the amount of the tax for which an extension for payment is desired may be required as a condition of granting the extension.

If the tax is not paid on the prescribed dates, penalties accrue. Prior to the act of 1924 a penalty of 5 per cent of the unpaid tax or instalment attached in case of non-payment; but this penalty has not been provided for under the acts of 1924, 1926, and 1928. Interest at the rate of 1 per cent a month has been collectible under all the acts on the amount of tax unpaid after the due date therefor.

A large part of the work of the Bureau of Internal Revenue is concerned with the determination, assessment, and collection of deficiencies, or amounts of tax due but not shown on the return. The return must be examined as soon as practicable after it is filed, and, in doubtful cases and cases where large amounts of tax are involved, the books and records of the taxpayer for the year in question are examined. The act of 1921 first definitely provided that the taxpayer might have a hearing within the Bureau on the amount of a proposed deficiency prior to its assessment. Under earlier acts the notice of assessment might be the taxpayer's first notification thereof. However, the taxpayer was then allowed to file a claim in abatement, and the collector might at his discretion stay collection of the deficiency (or require a bond as the condition of staying collection) pending the Commissioner's decision on the claim. Under the act of 1921 the taxpayer was given a hearing within the Bureau before assessment, but, if a deficiency were still determined to be due, it was then assessed and collected, the taxpayer, however, being allowed to start proceedings before the Bureau and the courts for refund.

The act of 1924 created the Board of Tax Appeals, a body independent of the Bureau with power to review the Commissioner's determination of a deficiency on appeal from the taxpayer. The act of 1926 instituted a system of appeals from the decision of the Board to the Circuit Court of Appeals and from thereon *certiorari* to the Supreme Court. If the taxpayer appeals to the Board he cannot, under the acts of 1924 and 1926, thereafter start proceedings to secure a refund, as he may secure a determination of his case by the courts by appealing from the Board's decision.

However, if the Commissioner believes that assessment or collection of the deficiency will be jeopardized by delay, he may assess the tax immediately without giving the taxpayer a hearing before the Bureau. Under the acts of 1921 and 1924 the taxpayer could file a claim in abatement

accompanied by a bond which would stay the collection of the amount assessed. Under the act of 1924 the taxpayer could appeal from the Commissioner's decision to the Board. At present no provision is made for a hearing within the Bureau on the amount of a jeopardy assessment, but the taxpayer may file a bond (no claim in abatement being provided for) staying collection of the deficiency and appeal to the Board and from there to the courts. The most striking example of the use of the power of making jeopardy assessments was in connection with cases where the statute of limitations was about to expire, when an assessment would be made without a thorough examination. At present, however, this is no longer necessary, as the work of the Bureau has become current, and jeopardy assessments are now confined almost solely to cases where jeopardy is due to the fault of the taxpayer.

Recent acts have provided for the collection of interest at 6 per cent on deficiencies from the original date on which the tax is due for the year in question. Interest at this same rate is also collected in cases where an extension for the payment of a deficiency is granted. Such an extension may be granted for a period of eighteen months if immediate payment would work hardship to the taxpayer, and in exceptional cases for an additional period of twelve months. If the deficiency is due to negligence, a penalty of 5 per cent thereof is collected, and if due to fraud, of 50 per cent, in addition to interest as above. A fraudulent understatement of tax is also punishable by fine or imprisonment. Interest is collected on the amount of a deficiency at 1 per cent a month if not paid on notice and demand by the collector.

The tax must be assessed and collected in the absence of fraud within the statutory period of limitations. The statutory period on assessment under recent acts is five years in case of tax imposed by the act of 1918 and prior acts, four years in case of tax under the acts of 1921 and 1924, three years in case of tax under the act of 1926, and two years in case of tax imposed by the act of 1928. If the tax is timely assessed, it may be collected within six years from the date of assessment. The mailing of a notice of final determination of a deficiency from which the taxpayer may appeal to the Board of Tax Appeals suspends the running of the statute until the Board's decision becomes final and for sixty days thereafter.

THE ROLE OF NEMATODES IN STRAWBERRY DISEASES

By BENJAMIN G. CHITWOOD*

INTRODUCTION

The investigations carried out in this paper were made possible by the cooperation of several workers in the Bureau of Plant Industry. To Dr. Paul Bartsch, Professor of Zoology, of The George Washington University, I wish to express my sincere gratitude for his guidance in the preparation of this thesis.

The work was directed chiefly upon that disease of strawberries known as "dwarf," caused by *Aphelenchus fragariae*, and to a lesser extent upon "gall," caused by *Tylenchus dipsaci*. Other abnormalities which were found in the course of the work are also reported. A résumé was made of the literature concerning nematodes associated with diseases of strawberry plants.

DWARF

The proof that *Aphelenchus fragariae* is the cause of "dwarf" was arrived at as follows:

1. By examination of diseased and healthy plants in the field it was found that *Aphelenchus fragariae* is present in all diseased plants, and seldom in healthy plants.
2. The geographical distribution of "dwarf" and *Aphelenchus fragariae* was found to coincide.
3. Artificial infection of strawberry plants with *Aphelenchus fragariae* produced the disease.
4. Treatments which killed the nematodes were found to cure the plant.
5. The nematodes were found in large numbers in the growing portion of the bud of diseased plants.

Aphelenchus fragariae was found in plants from the following States: Arkansas, Delaware, Florida, Louisiana, Maryland, New Jersey, North Carolina, South Carolina, Tennessee, and Virginia. The Blakemore, Heflin, Klondike, Missionary, and Premier, all commercial varieties, were found to be susceptible. Other varieties not as yet established commercially were also found to become affected. The disease has been unknown until this year (1930) in Virginia, Maryland, Delaware, and New Jersey, although it was probably already present in a few fields of plants obtained from the other States. Wide dissemination of diseased plants in the past

* A.B., 1928, Rice Institute; M.S., 1929, The George Washington University; Ph.D. conferred June, 1931.

years has effected a spread of the disease to most of the larger strawberry-producing areas of the southeast. Other parts of the country have not been surveyed, but it is probable that "dwarf" will be found wherever strawberry plants have been obtained from the area in which "dwarf" is common.

Aphelenchus fragariae causes a dwarfing and crinkling of the leaves, often coincident with malformation. The leaflets may become unusually narrow, a character described as "filiform." Runner production is usually lowered in "dwarf" plants, and "blind" plants are not uncommon. The loss in yield has never been determined experimentally, due to the inherent difficulty of preventing control rows from becoming infected. Various estimates have been made which differ greatly. In a severely infected field the total loss of yield would probably not exceed 5 per cent the first year and 20 per cent the second year.

A comparison of the death rate of "dwarf" plants and normal ones showed that the diseased plants are much more liable to die than healthy ones.

While "dwarf" is much more readily recognized during the summer months, it has been found that it is possible to distinguish the symptoms in the fall and winter, during which time the number of *Aphelenchus fragariae* per bud decreases. Adult nematodes are seldom found during the winter.

The spread of "dwarf" is accomplished by the commercial dispersal of diseased plants and by the contamination of healthy plants by drainage water from the vicinity of diseased plants. The nematodes often infect runner plants from diseased mother plants by swimming in the surface water along the runner after a rain or heavy dew. Plants from localities in which the disease is unknown acquire it when planted in soil in which infected strawberry plants were previously grown. No wild host plants have been found to be infected with *Aphelenchus fragariae* either artificially or naturally.

The control of *Aphelenchus fragariae* can be effected by hot-water treatment and by planting on new or steam-sterilized soil. It is cheaper to obtain plants from stock which has never been known to be diseased than to hot-water treat diseased or suspected plants. Hoeing out diseased plants may be of some benefit, but it has not been found to be absolute after such treatment. Neighboring plants often become infected, since some of the nematodes may remain in the soil.

GALL

Tylenchus diprasi has been known for many years to cause galls in both the leaves and petioles of the wild strawberry plant, *Fragaria chiloensis*. It has in the last few years been found more and more often in cultivated varieties.

The symptoms may be characterized as follows: severe malformation and crinkling of the leaflets, due to an hypertrophy of areas of the leaf tissue containing *Tylenchus dipsaci*; yellow and brown areas often coincident with hypertrophy; and greatly enlarged petioles, due to hypertrophy similar to that found in the leaf.

The nematodes are found in the parenchymal cells and intercellular spaces of the leaf and petiole.

Artificial infection of a commercial variety of strawberry plant with *Tylenchus dipsaci* was successful.

As yet the nematode is known to be parasitic on strawberry plants in the United States chiefly in the more northerly, humid regions, but rare cases have been reported from southern and eastern States. Unless steps are taken to eradicate *Tylenchus dipsaci* from other host plants (narcissus, potato, etc.), it is probable that the disease will spread to strawberry stocks and become endemic throughout the best strawberry-producing areas of the United States. The only natural obstacle known at present is that *Tylenchus dipsaci* apparently does not thrive in dry, unirrigated regions.

ROOT GALL

Root gall is caused by *Caconema radiculicola*, a species of nematodes which attacks the roots of over seven hundred different host plants. It has been found in strawberry fields in all of the principal growing centers of the United States, but the extent of loss of yield is unknown.

The roots of strawberry plants do not become so large or malformed as those of other host plants. The most obvious difference is that usually the mature females of the pathogenic organism, *Caconema radiculicola*, protrude from the root.

The younger nematodes are usually found in the vascular tissue or in the parenchyma next to the latter. Huge cells, "giant cells," develop from the cells in the vicinity of the nematodes' mouth-opening. These giant cells grow to such an extent as at times completely to obliterate the vascular tissue. The swelling or knot is primarily due to these cells, and secondarily to the growth of the nematode. In later stages the body of the mature female nematode is forced out of the gall by its size as well as by the reaction of the plant tissues. Its head remains between or in the giant cells.

Root gall may be controlled by setting out plants which are known to be clean, either having come from nurseries which have been inspected and found to be free of the disease or having been previously hot-water treated. Heavy soil is unfavorable to *Caconema radiculicola*. Rotation of crops, planting an immune crop on the land for three to five years between strawberry crops, is also a good procedure.

Nematodes of unknown significance, *Cephalobus elongatus*, *Aphelenchus parietinus*, and *Aphelenchus avenae*, are all more common in unhealthy

plants than in healthy ones and may be contributory factors acting in the role of secondary invaders. However, it is unknown at present whether or not they may actually produce disease in this host.

Many other nematodes were found associated with both diseased and healthy strawberry plants. Some of them were encountered but rarely. The biology of many of the species is uncertain, some of them may prove of economic importance. They are as follows: *Tylenchus filiformis*, *Tylenchus consobrinus*, *Acrobeles* (several species), *Dorylaimus* (several species), *Tripyla plectus* sp., *Paraphelenchus pseudoparietinus*, *Rhabditis lamdiensis*, and *Mononchus* (several species).

SUMMARY

Aphelenchus fragariae was definitely proved to be the causal agent of "dwarf" in strawberry plants. Inoculation experiments were successful. The controls did not develop the disease. The nematodes were found to attack the young leaves in the bud but were not seen to enter the plant tissue.

A survey was made of the distribution of the disease in the southeastern United States. Evidently it has spread rapidly in the past year due to the sale of diseased strawberry plants by North Carolina growers.

Because of its establishment now in large numbers of nurseries, eradication would be difficult. Rogueing is not considered an effective mode of control. The use of hot-water-treated plants or plants from stock which has never been in the endemic area is recommended.

Tylenchus dipsaci was not found to occur on strawberry plants in the southeastern States. Because of its serious effects on the plants, it is felt that extreme caution should be taken to prevent its introduction into the strawberry stock of this region. The presence of *Tylenchus dipsaci* on other cultivated host plants in the southeastern States is a menace to the strawberry-growing industry.

Root knot, caused by the nematode *Caconema radicola*, is widespread in the strawberry fields of this country. While it would seem, from a superficial examination of diseased roots, to cause little damage, histological study of the same indicates that the roots may become completely functionless.

Cephalobus elongatus, *Aphelenchus parietinus*, and *Aphelenchus avenae* are present in larger numbers in diseased plants and may be a secondary factor in strawberry diseases. Their exact role is not known.

Numerous other nematodes were found associated with strawberry plants. Some of these may contribute to more obscure defects, or they may be parasitic without causing any distinct pathological condition on the part of the plant. Other nematodes found were probably there by chance or only temporarily present, living upon decaying plant issues. It is thought that still others, such as *Mononchus* and *Dorylaimus* species, may be predators living upon plant-parasitic and saprophytic nematodes associated with the plant.

DETERMINATION OF GLUTATHIONE

By WALTER C. HESS*

Following the discovery of glutathione in 1921 by Sir Gowland Hopkins, a large number of papers appeared discussing and interpreting the many phases of this interesting compound. Its composition was supposed to be that of a dipeptide of cysteine and glutamic acid-glutamyl-cysteine. This was supposedly confirmed by synthesis and analysis. However, several investigators, attempting to repeat the work of Hopkins, isolated substances which would not analyze as a dipeptide of cysteine and glutamic acid. For several years uncertainty existed as to the exact make-up of glutathione. In 1929 Hopkins published a reinvestigation of the subject and stated that glutathione was a tripeptide containing glycine in addition to cysteine and glutamic acid. This observation of Hopkins was confirmed simultaneously by Kendall, McKenzie, and Mason.

Previous to the discovery that glutathione was a tripeptide and not a dipeptide, considerable work had been done on its quantitative estimation. The reason why workers were so interested in this substance was because it was peculiar in containing cysteine. Cysteine and cystine are unique among the amino acids for several reasons. They contain sulphur and form an oxidation-reduction system. Combined in the form of glutathione they still form an oxidation-reduction system. The -SH group of reduced glutathione is capable of oxidation to the -S-S group of oxidized glutathione, and the reverse of this also holds. Such an oxidation-reduction system is of vital importance to living tissue. Its presence has been demonstrated in the cells of all animals studied, from those of man to those of the developing echinoderm egg, and in plants, from the yeast cell in which it was first discovered to the tissues of the angiosperms. It, therefore, can readily be understood why so keen an interest was manifested in it and why an accurate estimation of its presence was essential.

The first method used, which was developed by Tunncliffe, depended upon the fact that a potassium-iodide solution of iodine would oxidize the SH group. The end point was obtained by the use of an outside indicator, sodium nitroprusside. This compound gives a beautiful amethyst color with SH compounds in faintly ammoniacal solutions, while no color is formed when the SH group is oxidized. This method was applied widely, but in his original publication Tunncliffe stated that glutathione was not present in human blood. It was not long, however,

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before this statement was shown to be erroneous. Holden in 1925, isolating the compound from red cells, convincingly demonstrated its presence. No work was done directly on the quantitative estimation of the amount of glutathione present. Considerable difficulty was experienced with the Tunnicliffe method. An outside indicator is difficult to manipulate, and the indicator itself was open to considerable doubt, sodium nitroprusside being a non-specific indicator and giving a color reaction with a number of compounds some of which did not even contain sulphur.

The only other method suggested for the estimation of glutathione was that of Flatow (1928), who has an extremely complicated method involving the use of potassium ferricyanide as an oxidizing agent. Flatow claims that silver lactate precipitates the glutathione quantitatively from a protein-free blood filtrate. Experiments along these lines indicate that the precipitation is not quantitative. Flatow reports values around 18 mg. per 100 cc. of blood. Gabbe (1929), using Flatow's method, reports values ranging from 12.0 mg. to 46.1 mg. per 100 cc. of whole blood.

In 1925 Okuda described a method for the estimation of cysteine that depended upon its oxidation by means of potassium iodate and potassium iodide in acid solution. After reduction, cystine could be determined in a similar manner. This reaction was non-specific for cysteine, since any SH compound or S-S compound, after reduction, would respond to it. Glutathione is such a compound, and therefore its estimation by the use of this reaction should be possible. It is necessary, however, to have some method of checking to see whether or not in blood we measure an SH compound that contains cysteine, glutathione, or whether there are present other SH compounds, or whether both cysteine and glutathione are present simultaneously. Fortunately there is an exceedingly specific reaction for cysteine which distinguishes it from all other SH and S-S compounds and even from glutathione. This is the Sullivan reaction described in great detail in 1926 and also in later papers by Sullivan and also by Sullivan and Hess.

Cysteine or cystine, after reduction with sodium cyanide, gives a red color with 1:2 naphthoquinone-4-sodium sulphonate in the presence of sodium sulphite that is not discharged by sodium hyposulphite ($\text{Na}_2\text{S}_2\text{O}_4$). Glutathione gives only a pale yellow in this test, but if it is hydrolyzed into its constituent amino acids, the cystine portion of the molecule will respond to the Sullivan test.

It was necessary to determine whether or not normal blood contained any free cystine or cysteine. In the light of certain observations in the literature it was necessary to find a method for deproteinizing blood that would permit the recovery of added cystine. Obviously, if the method did not permit such a recovery, chances of finding the small amount of

cystine that might be present were slim. A number of methods were tried and found unsatisfactory, and finally three methods were used that gave good recoveries: (1) Benedict and Newton method (1929), (2) sodium sulphate, and (3) sulphosalicylic acid. The Benedict-Newton method involved tungstomolybdic acid, the sodium-sulphate method required a high salt concentration, and finally the sulphosalicylic acid was adopted since it had all the excellent features of the other two methods and none of their disadvantages.

Having a method that permitted good recoveries of added cysteine, a number of samples of blood were examined for cystine or cysteine, and in no case was either one found. Therefore, if the protein-free blood filtrate was hydrolyzed, the amount of cystine liberated, coming entirely from the glutathione, could be estimated by the Sullivan method. Having first determined the amount of glutathione present by the iodate titration, this could be compared with the amount of cystine found, and thus it could be shown whether or not the iodate was responding to a non-cystine containing complex.

The iodate method requires a $\frac{M}{1200}$ potassium-iodate solution made up in 2 per cent hydrochloric acid. Twenty cc. of the solution to be tested are made to exactly 2 per cent acidity with hydrochloric acid, and 5 cc. of 5 per cent aqueous potassium iodide and 5 cc. of 4 per cent hydrochloric acid are added. The solution is cooled to 20° C. and titrated with the potassium-iodate solution until a yellow color appears and persists for one minute. The titration is then completed.

Using this method and then hydrolyzing and determining the cystine by the Sullivan method, the average for fifteen blood was as follows: Glutathione found was 56.1 mg., the theoretical cystine content of which was 22.9 mg., while after hydrolysis and determination by the Sullivan method 22.6 mg. were found. These figures show that glutathione regarded as being a peptide gives 98.6 per cent of the theoretical cystine after hydrolysis of a protein-free blood filtrate.

Following this demonstration that glutathione was the only substance in the protein-free blood filtrate that reacted with the iodate reagent, a study was made of the relation of the glutathione nitrogen to the total non-protein nitrogen of the blood. A number of the non-protein nitrogen constituents of the blood were determined by standard methods, and their relation to the total N.P.N. was considered. On a series of five bloods the average N.P.N. was 25.6 mg. per cent; the determined nitrogen made up of uric acid, urea, creatine and creatinine and ergothioneine nitrogen was 13.1 mg. per cent. This left the undetermined nitrogen content as 12.5 mg. per cent, and the glutathione nitrogen was 7.4 mg. per cent. This value shows that the glutathione nitrogen accounts for 62.6 per cent of the undetermined nitrogen, leaving only 5.1 mg. of the total 25.6 mg. total N.P.N. unaccounted for. This is a considerable

decrease in the amount of undetermined nitrogen, as formerly this undetermined nitrogen was as much as 50 per cent of the total nitrogen, while now it is only 20 per cent thereof.

A study was made of fifty-six cases where there was definite pathology; among the conditions studied were appendicitis, acute nephritis, chronic nephritis, diabetes, arthritis, gout, chlorosis, chronic lymphatic leucemia, secondary anemia, pernicious anemia, gonorrhea, syphilis, tuberculosis, hernia, bronchitis, stomach ulcer, carcinoma of the liver, and gastric carcinoma. The average total glutathione for all these cases was 54.2 mg. per cent as against 58.2 mg. per cent for some twenty-five normals, a variation of 6.9 per cent, which is so slight as to be of no clinical significance. This finding is in keeping with the results of a number of workers who have reported a great constancy in the amino-acid content of both normal and pathologic bloods.

In the case of active tuberculosis the reduced glutathione was but 71 per cent of the total glutathione; in all the cases the percentage was almost 90. Some of the active cases had a percentage as low as 31 and 47 per cent. This was interpreted as indicating a change in the oxidation-reduction equilibrium of the blood. This finding also found some support in work already reported showing a decrease in the reduced glutathione content in certain organs of tuberculous guinea pigs. It was also suggested that this relation of reduced to total glutathione might have some relationship to the rapid sedimentation rate found in the blood of tuberculous patients.

Another interesting finding was in the cases of anemia. Regarding the red-cell count in units of a million and dividing it into the total glutathione, a ratio is arrived at. The average ratio for all cases was 15.2. Some of the cases of anemia had ratios as high as 18.7, 17.2, and 18.3, while the highest normal was only 12.5. This would seem to indicate that a ratio over 13.0 is suggested of anemia. This finding, if used along with the general blood picture, would be an aid in diagnosis. As a partial confirmation of this, the one case of pernicious anemia in a state of remission had a ratio of only 12.9. It was suggested that this finding showed an attempt of the body to maintain an oxidation-reduction equilibrium in the face of actual destruction of red cells.

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THE AMERICAN REVOLUTIONARY FOREIGN DEBT AND ITS LIQUIDATION

By ROBERT RUSSELL LAFOLLETTE*

In only one epoch has the United States been a debtor government in the international sense. During the American Revolution and immediately thereafter, active or moneyed capital was scarce in the United States and the need for borrowing from abroad was urgent. Throughout the war it was necessary to rely on foreign subsidies and loans in order to maintain the military effort. During the period of the defective Articles of Confederation and the launching of the new Government under the Constitution that followed the war, the ineffectual political command over public resources resulted in further dependence on that foreign credit, which, though it languished, still lived. Between 1778 and 1783 the United States borrowed from France a total of \$6,376,832.93 and received in addition a total subsidy of \$1,633,500. From Spain a total subsidy of \$638,302 was received, of which the United States chose to consider \$240,972 as a loan and paid it back. From 1782 to 1789 the United States borrowed from private Dutch banking houses a total of \$3,600,000, and from 1790 to 1795 an additional sum of \$9,400,000, of which latter sum \$400,000 were a reloan of the first instalment, due on June 1, 1793, on the loan of \$2,000,000 obtained under the contract of June 11, 1782. The history of this debt and the circumstances surrounding its ultimate liquidation is the subject of this essay. It is of timely interest if only because it will lead to a better understanding of the position of European states in their present debtor relationship to the United States as a creditor government.

It is difficult for a citizen of present-day United States to understand why the Government should be so hard pressed for liquid assets, even in time of war. But the military emergencies demanded money to be obtained quickly, and the faulty political organization made the collection of taxes and the punctual meeting of obligations—the foundation of credit—extremely difficult, if not impossible. Neither the Articles of Confederation nor the loose union that preceded it was able to cope with the financial problems of the war. Without financial as well as military aid from France, the victorious peace of 1783 would not have been possible. Nor did all problems pass away with the coming of peace. The war had consumed the capital of the nation. The capital and labor used in the military struggle were economically unproductive, if not an actual liabil-

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ity. Many producing communities were economically paralyzed, and the currency was depreciated. Risks and difficulties of communication with foreign nations as well as preceding irregularities had to be confronted. Without the loans from Dutch banking houses it is doubtful whether our languishing credit would have survived and our Government have been enabled to weather its "critical period." A review of the proceedings of the Continental Congress reveals this constitutional ineptitude of our political organization and the fact that many of our needs and difficulties were needs and difficulties of our own making—the ills of a loosely knit confederation.

Accentuating these difficulties was the necessity for restraining "the Spirit of Intrigue and Cabal," of wisely restricting "that bane of patriotism, Commerce." Moreover, our unpreparedness, our particularism, our maladministration, our orgy of inflation, our peculations and speculations, were carried to the very courts of Europe by our own representatives abroad.

Under these conditions there was no other expedient that was either practicable or eligible for the obtaining of money—quickly enough and in sufficient quantities—to fight the war than by foreign subsidies and loans. Fortunately for American independence, there were powerful reasons which made European nations, particularly France, willing, at first eager, to supply funds if they could help split apart the British Empire.

The American revolutionary foreign debt, amounting to \$8,617,804.93 in 1783, would be a very modest sum for a nation to owe today, but the United States at the close of their struggle for independence found it impossible to completely meet the obligations entailed in that indebtedness. There ensued a period of "negative violation" or "non-compliance" with the terms of the debt contracts, notably those with France. Neither the principal nor the interest of the Spanish debt was pressed for or paid during this period; and a pragmatic distinction was made by us between meeting the obligations of the debt contracts with the French and those with the Dutch, in favor of the latter. French funds were in a precarious state and the French Government had notified us that we could expect no more money from its treasury. The estoppel of that source left the self-interested money lenders of Amsterdam as our only dependence for foreign loans. It was imperative that the credit be maintained in this one money center where it still lived. The interest on each Dutch loan was paid, at times under discouraging and even dismaying circumstances, with constant regularity under the Government of the Articles of Confederation. Though this constant regularity was in no little degree due to the self-interest, the vigilance, and the ingenuity of the money lenders in controlling the allocation of incomes from the successive loans, it was none the less vital to the credit of the United States. Besides paying the interest on these Dutch loans, the United States paid the interest for four

years on the loan obtained in Holland under guaranty of the French Government. In 1786 the United States Government defaulted on this one French contract with the terms of which it had complied, even irregularly. France paid the interest from her own funds that year and was allowed to continue doing so until 1790. The non-compliance with the terms of the French debt-contract obligations resulted in the progressive accumulation of arrearages of principal instalments and interests which made the debt become yearly more burdensome. From the first the United States Government acknowledged its responsibility to pay. France did not fail to remind it of that responsibility. Investigation makes it clear that domestic conditions qualified its capacity to pay.

Weakened from domestic insolvency produced by governmental impotence of its federal political organization; the means of sustenance lessened by private avarice and speculation both at home and abroad; culminated by the personalized complaints of the foreign officers going up from different parts of Europe; enervated from non-compliance with contracts in France, whose recognition and aid had given the United States character as a nation; and inadequately succored by commerce, American foreign credit found much difficulty in surviving at all. Without nourishment from Amsterdam it would have expired. Even though self-interest were the major motivating power in inducing the slow, cautious, and ponderating Dutch bankers, Willink, Van Staphorst, and Hubbard, to sponsor the credit of the United States Government, their aid was none the less important. It enabled it to pass through its difficult transition period successfully.

As it became increasingly clear that the long-hoped-for reform of the Constitution was to be realized, with its resultant political command over public resources, several capitalist companies in Europe and America became interested in purchasing our foreign debt obligations at a discount. Willink, Van Staphorst, and Hubbard became apprehensive that some banking house or houses would try to obtain the business of the United States Government. In this they were not mistaken, and a contest over the control of the American foreign debt and other governmental business ensued. In this contest the Dutch bankers were largely the victors. Their victory was in no little degree owing to their superior resources, their past connections with our finances, and because their interests largely concurred with ours and with the funding system under Hamilton.

The financial plan initiated by Alexander Hamilton as Secretary of the Treasury had as one of its principal objectives the application of the incomes from successive loans to be obtained in Europe, toward funding the foreign debts of the United States. In order to enable Hamilton to carry out his plans, Congress, under the basic acts of August 4 and August 12, 1790, authorized him, as the Secretary of the Treasury, to

borrow \$14,000,000 abroad, of which amount \$12,000,000 were to be applied toward funding the foreign debts. The sum actually borrowed abroad under the authorization of these two congressional acts was but \$9,400,000, owing to limitations on our borrowing opportunities abroad resulting from the European imbroglios after 1794. Not all of the \$9,400,000 were used to fund the foreign debts, owing to the demands for money for meeting current expenses and the money necessary for the payments of interest and premiums on loans, old and new. In as far as the foreign-loan incomes were applied toward funding the foreign debt, the operation resolved itself into transferring \$4,351,933.00 of the French debt principal and the entire Spanish debt principal of \$240,972,000 into the hands of the Dutch bankers, Willink, Van Staphorst, and Hubbard; in placing these sums and the interest due on them, as well as the principal instalments and interest due on the Dutch loans, back on interest with those bankers, including the amounts absorbed by the Antwerp loan which was contracted with C. J. M. DeWolf, of Antwerp. Moneys were even relayed to the United States to meet the advances requested by the French Ministers, Ternant and Genet, in their turn. Advances were requested by Ternant for relief of San Domingo and to supply France with needed grain; by Genet for the same purposes and for his numerous schemes. Requests became peremptory and so fused into demands that we adopted a plan for the transforming of the remainder of the French debt into a domestic obligation in order to give it a transferable quality that would enable France to purchase needed provisions from us and estop one source of Franco-American friction.

Congress authorized this transformation under the act dated March 3, 1795, and $5\frac{1}{2}$ and $4\frac{1}{2}$ per cent stocks were issued to James Swan, Agent of the French Republic, to fund the remainder of our 5 and 4 per cent debts to France respectively, amounting in all to \$2,024,899.93. Thus was taken the final step toward accomplishing the *legal* liquidation of the French debt. Yet these stock certificates and the Dutch loan obligations were in themselves but evidences of indebtedness. Final or *economic* liquidation of these sums was only achieved when these paper evidences of debt were purchased with money obtained through collection of revenues. The funding system did remove the Spanish and French debts incurred during the American Revolution from the category of pawns on the chessboard of international finance and politics, which was extremely important in light of the strained Franco-American relations that followed between 1797 and 1800.

The financial result of the funding system was to legally liquidate the French and Spanish debts, to swell the domestic debt by \$2,024,899.93, and to increase the Dutch debt from \$3,600,000 on January 1, 1790, to \$11,800,000 on January 1, 1796. The final and economic liquidation of the Dutch debt of \$11,800,000 and the \$2,024,899.93 in $5\frac{1}{2}$ and $4\frac{1}{2}$

domestic stock certificates as debt evidences of the transformed residue of the French debt, was yet to be achieved. This was to be primarily the work of Albert Gallatin, as the funding system had been the plan of Alexander Hamilton.

Gallatin, as Secretary of the Treasury, adopted as his principal objective the reduction of the public debt. The keystone of his plan was the act of Congress of April 29, 1802, making an appropriation of \$7,300,000 annually for the discharge of the public debt. Domestic production and our foreign commerce were now sufficiently revived and developed to withstand the drain of such a large revenue measure, thanks to the years of the funding systems and the imbroglios of Europe. The plan thus provided for included the liquidation of both the domestic debt and the foreign debt by moneys collected as revenue. Its execution resulted in the economic payment of the remainder of the French debt, \$2,024,899.93, which amount was legally paid in 1795 by issuance of domestic stock to James Swan as Agent of the French Republic. The $5\frac{1}{2}$ per cent stocks issued for this purpose were retired through purchase in 1806, and the $4\frac{1}{2}$ per cent stocks likewise issued to legally liquidate the residue of the French debt were similarly taken up in 1807. The final payment in the economic liquidation of the Dutch debt was made in 1809.

With the last payment on the Dutch foreign debt in 1809 was closed the only epoch in which the United States has been a debtor nation in the international sense. If the study of this phase of the period of the foundation of American nationality has partially dissolved the heroic impression of the period and put in its place a view of the founders struggling with human motives and desires, working among mundane affairs, it is because it is concerned with their primary needs and individual desires for gold and silver. Governments do not live by money alone, but they do live by money. Although money is an indispensable means of existence to any and all governments, though credit among members of the society of nations is something carefully nurtured and preserved, the subject of the American revolutionary foreign debts and the maintenance of our foreign credit has been strangely neglected by most historians of the period in favor of emphasis on domestic economic conditions. Yet without foreign loans the military and political phases as well as the domestic economic conditions would have been basically altered. Without moneys from abroad the achievement of a victorious peace in 1783 would have been impossible, and the political organization would not have weathered its difficult transition from a time of doubtful continuance of existence at the close of the war to a position of respect and credit among the members of the society of nations under the Constitution.

A CRITICISM OF THE COSMOLOGICAL AND ONTOLOGICAL CATEGORIES OF THE HEGELIAN DIALECTIC

By MATALEE TALBUTT LAKE*

Hegel assumes that the Real is Reason and that the Absolute Idee is the highest expression of Reason. Hegel does not prove, but merely asserts this, and uses it as a key to unlock the secrets of the universe. However, we cannot accept this unproved assumption as true. Surely we cannot know the Absolute through science, since science deals with the events found in experience, definite causes of definite results. By combining all the causes and events of a lifetime we cannot know the Absolute. Likewise, we cannot know the Absolute through philosophy, for one of the greatest philosophical principles is: Until we are equal to a thing we can never know it. We cannot know the Absolute because we are not equal to the Absolute. For the above reasons, rather than accept Hegel's unproved assumption that the Absolute is Reason, let us accept Kant's position that man, limited by himself, cannot know Absolute Reality.

Hegel, basing his dialectic on the above-mentioned assumption, combines in his philosophy certain inconsistencies. Let us examine these inconsistencies and eliminate them where possible by remodeling the dialectic.

The lowest category of the dialectic, that of Non-being, is inconsistent with its highest category, the Absolute Idee. Hegel's Absolute is timeless Being, yet as it contains the truth of all the lower categories, it is likewise Non-being. That the Absolute is timeless Being and that the Absolute is also Non-being is a logical contradiction. Non-being is not only a contradictory category to the Idee, but it is a false category to the dialectic development. Non-being implies a blank state out of which nothing could proceed. It makes impossible a progression of thought. Yet Hegel understands Being as passing through the category of Non-being. It is not reasonable that Being could at any stage have been Non-being. That which is actual must have come from that which was possible. Non-being does not have the potentiality of higher development. Only possibility has. Therefore, let us eliminate this false category, Non-being, from the dialectic and place in its stead a new category—Possibility. From this the other categories may proceed, but they are implied in Possibility.

When Hegel understands the Absolute Idee necessarily to involve all the lower categories, he again contradicts himself: (1) He conceives of an

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Absolute which is not entirely perfect (but must go out of itself to return unto itself enriched). (2) He conceives of the Absolute as free, and, at the same time, he conceives of the Absolute as passing into its Other by an act of necessity (thought must move by thesis, antithesis, synthesis). Such are contradictory ideas. If Hegel consistently is to maintain a perfect timeless Absolute, he must hold that: (1) the Absolute is perfect and complete in itself and requires no outward manifestation to enrich itself; (2) the Absolute externalizes itself not by necessity but by an act of free will, thereby giving expression to its possibility.

The root of the contradictions of the dialectic lie within the triad movement of thesis, antithesis, synthesis. The very method of the dialectic is inconsistent in that it retains dualism within a monistic philosophy. Dualism is found in thesis and antithesis, two ontologically opposed concepts which form the basis of the dialectic. Monism, by the concept of synthesis, is used to unite these contradictory ideas. Absurdities result. That Hegel might be a consistent monistic thinker, the dialectic should be remodeled to remove its dualistic concept. This may be accomplished by substituting for antithesis, the concept of difference. Difference denotes distinct phases of reality but implies no ontological opposition between them. Thesis and antithesis should both be retained, the latter being necessary to account for the logical progression of thought. Synthesis should be understood not as a priori necessity but as an occurrence whenever logical progression results. Such would remove the difficulty of an a priori set plan into which all future events are arbitrarily placed. It would likewise prove more applicable to experience, as differences are not always synthesized.

Hegel's method of reducing all Reality to the complete monism of Reason combines two contradictory ideas: (1) that of an Absolute and (2) that of pantheism. By the latter Hegel understands no category as adequate of expressing the Real; by the former he understands one category (the Idee) as adequate of expressing the Real. Both these concepts cannot be true. As Hegel presupposes an Absolute Idee, its externalized possibility cannot be understood as containing the potentiality of returning unto itself, else pantheism would result and contradiction take place. If the Absolute is to be maintained, the possibility of all lower categories must be limited that they might never reach the Absolute, nor the process equal the Idee.

Hegel claims not to be an evolutionist, yet he includes evolution in his dialectic. According to Hegel, motion is necessary to Being and an orderly movement is the nature of thought. As every stage is inadequate and moves to a higher stage, so the higher categories involve the lower through which they have passed. Individualities are necessary and successive phases of one orderly change. Because of his Absolute Idee, or Final End, Hegel should be classed as an idealistic rather than a bio-

logical evolutionist. Because of his self-realization or entelechy, which makes the *Idee* an actuality of the possibility implied in Pure Being, he should also be classed as an emergent evolutionist. If the dialectic is to eliminate evolution, as Hegel claims it should, each category must be interpreted, not as containing the potentiality of other categories, but only a limited possibility which makes it distinct and beyond which it cannot proceed.

The concept of Time, when applied to the Hegelian dialectic, should be conceived as that of imperfect relationship, where the subject is independent as considered distinct and identical with itself and yet dependent as being imperfect and dependent upon a ground. This is expressive of the *Idee* existing as its Other, giving rise to that which is distinct from it and yet dependent upon it as ground. Such is mediation, or the category of Essence. Thus, time is found in Essence and is overcome only in the *Idee*, where there is no imperfect relationship but where knower and known are the same.

Hegel's attempt to solve the problem of good and evil is by two methods: (1) by considering evil to be the negation of the Absolute *Idee*; (2) by considering evil to be the result of freedom of the will. His first method is inconsistent and his second method is inconsistent with the first and inadequate when taken alone. The thesis, good, immediately implies the antithesis, evil. The synthesis combines the thesis and antithesis or good and evil. As the Absolute is considered both the thesis and synthesis of the dialectic, it follows, according to Hegel, that the Absolute is good and that the Absolute is also evil. Obviously both statements cannot be true. As Hegel maintains that the synthesis is greater than the thesis, he also holds that the combination of good and evil is greater than the good by itself! After declaring the problem of good and evil to be solved by thesis, antithesis, and synthesis, he further introduces the concept of free will as a tool by means of which the necessary movement takes place. Such is not consistent, as free will implies choice and not ontological necessity. The concept of free will, when taken alone, does not adequately explain evil, since it only implies free choice and presupposes good and evil to choose from. Leibniz attempts a solution to the problem by accounting for evil by metaphysical necessity. However, such makes sin negative and subordinates moral imperfection to metaphysical imperfection. Hegel's concept of free will and Leibniz's concept of metaphysical necessity might be combined to interpret evil. If man were metaphysically imperfect but without free will, he would be an automaton, not perfect but with only a lack of goodness. If man were metaphysically perfect and had free will, he would use his will in a perfect way and would hence be good. Freedom of the will combined with metaphysical imperfection may account for evil, which is man's willfully not seeing himself as a part of the whole but exalting himself above his station in life. According to Hegel, as man's individual will is imperfect, he should surrender his will to the universal will. Then and only then will evil be no more.

THE CALCIUM METABOLISM OF THE CHICKEN WITH SPECIAL REFERENCE TO A CONDITION KNOWN AS "LEG-WEAKNESS"

By HARRY WALTNER TITUS*

When chicks are reared in strict confinement, that is, without access to the soil, green grass, and direct sunlight, they are likely to become afflicted with a condition known as "leg-weakness." During the last several years there has been a marked tendency on the part of poultrymen to rear their chickens in confinement, especially in so-called storage or battery brooders. As a result, enormous financial losses have occurred in many cases, due to the chickens becoming grossly deformed in their legs and having, therefore, because of esthetic reasons, but little value as human food.

In order to ascertain the cause of this "leg-weakness" and, if possible, find a means of preventing it, a series of ten experiments was conducted. Nine of them were carried out with young, growing chicks and one with white rats. In the main, the experiments were successful, since they resulted in the finding of some of the causative factors and a means of preventing the condition.

After a diet had been devised which contained adequate amounts of all the dietary factors known to be required by the growing chicken, and which promoted rapid growth but produced "leg-weakness" in a high percentage of the chicks to which it was fed, the effect of various additions and substitutions was studied.

It was found that "leg-weakness" could be prevented by adding rice bran to the diet and simultaneously adjusting the calcium-phosphorus ratio to a more suitable value.

An attempt was then made to determine the cause of the beneficial effect produced by the rice bran. As a result, evidence was obtained which indicated that this feeding stuff contains an accessory food factor or vitamin, other than vitamin D, which is required by the chicken for the normal development of bone. Additional evidence of the existence of such a factor was obtained from the published experimental results of others.

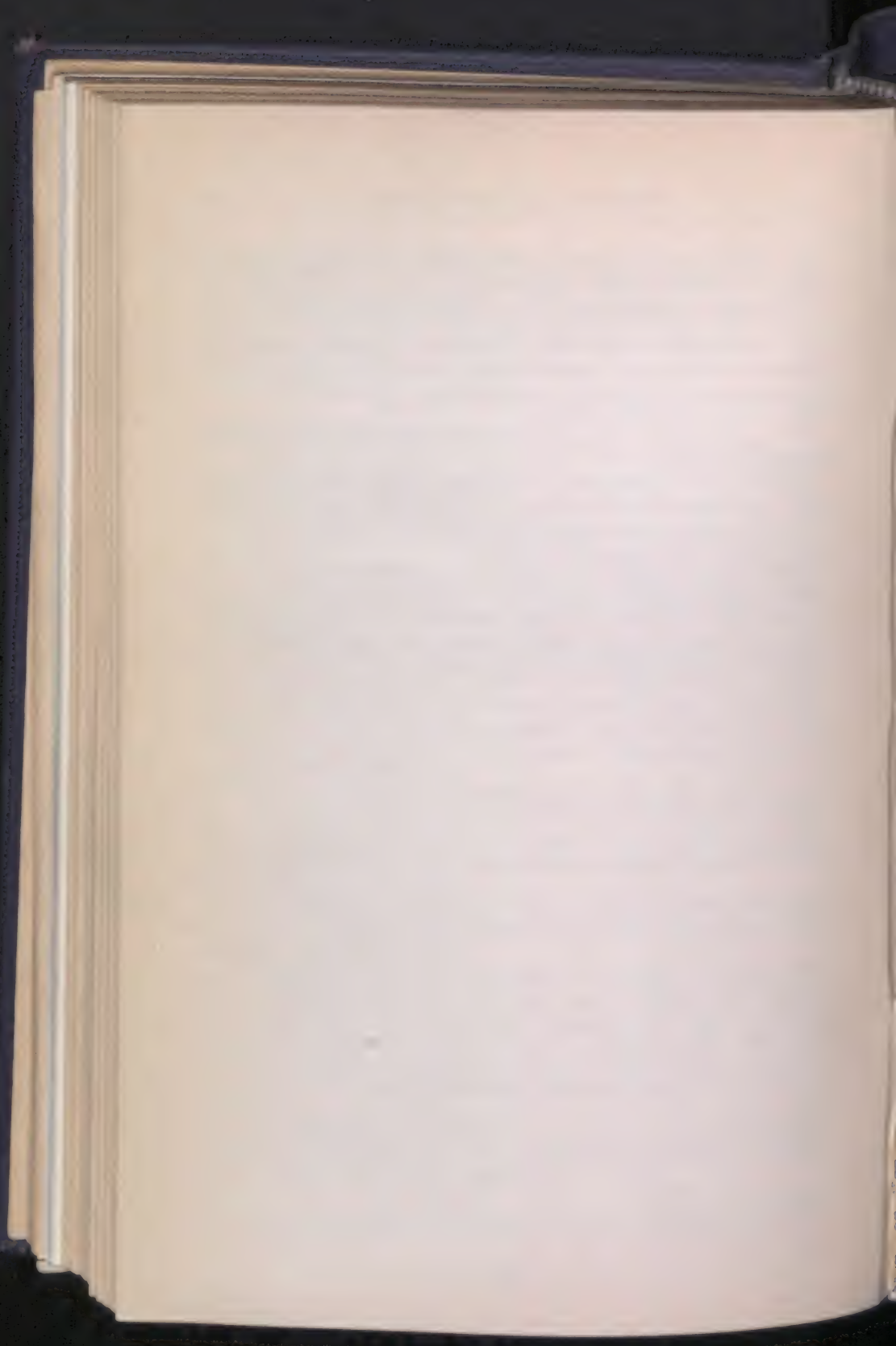
It was suggested that it might be worth while to try water-alcohol extracts of rice bran in the treatment of refractory cases of human rickets, as well as in the treatment of osteomalacia.

* A.B., 1918, University of Wyoming; A.M., 1925, University of Wyoming; Ph.D. conferred June, 1931.

A study of the development of "leg-weakness" and of the gross histological and blood-chemistry findings showed that this condition is not rickets. Since a multiplicity of names have been used by other workers for describing "leg-weakness," and since none of them were wholly suitable, it seemed desirable to select a new one. Accordingly, the writer proposed to designate the condition, which is the subject of the thesis, by the name *perosis*. This name is derived from the Greek adjective, *πηρός*, which means disabled in a limb.

The results of the investigation seemed to warrant the drawing of the following conclusions:

1. *Perosis*, or "leg-weakness," in chickens kept in strict confinement may be prevented by adding from 6 to 10 per cent of rice bran to their diet and simultaneously adjusting the calcium-phosphorous ratio to a more suitable value (approximately 2.5:1).
2. Rice bran is sufficiently potent, as an antirachitic agent, to cure rickets in rats when fed at a level of from 10 to 15 per cent.
3. Rice bran contains an accessory food factor, or vitamin, other than vitamin D, which is required by the chicken for normal development of the leg bones, and, possibly, of the other bones.



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HOUDON'S ORIGINAL BUST OF WASHINGTON
AT MOUNT VERNON

*With the Advent
of the Bicentennial Anniversary
of George Washington,
the University which bears his Name
offers this educational Program
in Keeping with the Ideals
he set forth for Such an Institution
in the Capital of the Nation*



Top path of Canal
from Lock

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Introductory

WITH the approach of the bicentennial anniversary of the birth of George Washington, the University dedicated to the educational principles urged by him during his life and also in his will, presents this account of the Capital of the Nation as a cultural and intellectual center of American life. Named in honor of the First President, the Capital stands in an area glorified by the personal activities of General Washington and by the early history of the Republic. It is in this area that a national tradition was first expressed.

Scenes of General Washington's Life

A SHORT distance down the Potomac River stands Mount Vernon, the home of Washington, and the place most intimately associated with his career. This beautiful estate in Old Virginia is visited annually by thousands of Americans, and the stately mansion has doubtless done more than any other monument to preserve his personal memory.

He came to Mount Vernon in 1757, and to this restful home he returned after each public obligation had been fulfilled. The French and Indian War had called him into service and prevented him from immediately developing the property. With the close of the Revolutionary War he retired to Mount Vernon and there received notice of his election to the Presidency, on April 13, 1789. His mother lived at Fredericksburg, below Mount Vernon. To her simple home, still carefully preserved, he paid a hurried visit and then began the triumphal journey to Philadelphia, the Capital of the new Government.

Riding to Alexandria, Va., he was greeted by friends who entertained him with a dinner at Mr. Wise's tavern. Over the muddy roads he was escorted towards Georgetown,



now a part of the Capital. He was received by a delegation on the Virginia side of the Potomac and ferried across the river.

After his presidential duties were finished in 1797, he again returned to Mount Vernon to enjoy its serene charm and to continue his deep interest in the well-being of the Nation. His simple tomb rests on the hillside below his home, overlooking the river.

Down the Potomac a few miles from the Capital stands Alexandria, the nearest town to Mount Vernon, rich in Washington tradition. During his early life it was an important colonial port, and its historic streets bear the royal names of pre-revolutionary days. His land office was situated not far from Christ Church, where he worshipped after the Revolution. In this church his family pew is still preserved. Before the Revolution he attended old Pohick Church, nearer Mount Vernon, which has now been restored. The Presbyterian church of Alexandria, erected in 1774, has

also been restored. In this church a public memorial service was held after the funeral of Washington, in 1799.

In Alexandria, too, General Braddock had his headquarters when he was joined by young Colonel Washington. The Masonic Lodge rooms where Washington and many friends regularly gathered were in Alexandria, and here the new George Washington Masonic Memorial is of special interest because of the many Washington relics it contains.

Directly across the Potomac from Washington, the commanding site of Arlington, now the National Cemetery, is of romantic interest in the life of the First President. The young Colonel Washington, famous for his achievements under General Braddock, had won the beautiful widow of Daniel Parke Custis, Martha Dandridge Custis. After the Revolution, when her son, John Parke Custis, died, two of his children were adopted by General Washington as his own. The present Arlington house, with its broad veranda overlooking the river, was built by his adopted son, George



Washington's Tomb

Washington Parke Custis. At this mansion in 1861, the beloved son of "Light Horse Harry" Lee of Revolutionary fame, General Robert E. Lee, who had married the daughter of its owner, resigned from the army to assume charge of the Confederate forces at Richmond.

Washington regularly passed Arlington in going to old Georgetown, which stands at the head of navigation on the Potomac and was then an active shipping point. Transatlantic

cargoes were here transferred to wagons and carried farther inland over the rough roads through the Blue Ridge Mountains. Georgetown holds

many places dear in their association with Washington. As a young man he was wont to ride from Mount Vernon, crossing the Potomac at the Virginia ferry and stopping at the famous Suter's Tavern, on the east side of what is now Wisconsin Avenue. Here he later met with the land-owners and arranged for the purchase of the land for the District of Columbia. The first three Commissioners for the District of Columbia met in Georgetown and located the



Capital, which they named Washington after the President had designated it as the Federal City.

In Georgetown's main street still stands the little colonial stone house with dormer windows occupied by Washington and Major Pierre Charles L'Enfant when, in 1791, they supervised the work of the surveyors laying out the District of Columbia. And in Georgetown President Washington issued his proclamation declaring this to be the Capital of the Nation, "Done at Georgetown aforesaid, the 30th day of March, A. D., 1791, and of the Independence of the United States the fifteenth."

The District of Columbia thus created was a tract of land ten miles square, a large part of which extended below the Potomac into Virginia. The Virginia section was later



Mary Washington House, Fredericksburg, Va.,

*Lee Mansion*

retroceded to the State. The National Government moved to Washington from Philadelphia in 1800 and began its long history in the region intimately associated with the First President.

*Old Stone House
George Washington*

Washington, the City

SITUATED on the east bank of the historic Potomac, Washington, with its many parks and shaded boulevards, has the distinction of being the most beautiful city of America. The monumental classic buildings housing the Government offices form a center around which are many of America's most handsome residences and suburban estates. Jefferson's desire to locate the Capital midway between the North and the South is responsible for the unusually wide variety of trees and flowers which make for the beauty of the out-of-doors life, particularly in the summer months.

The heart of the city's elaborate system of parks and drives is the Mall, a wide tract extending from the Capitol to the Potomac River, two miles away. In the Mall are some of the most notable monuments, including the equestrian memorial to General Grant, the impressive Lincoln Memorial and, most distinctive of all, the Washington Monument, rising 555 feet above the grassy slopes of the Tidal Basin. This height affords an expansive view of the city, of Arlington across the Potomac, with its glistening amphitheater where the Tomb of the Unknown Soldier is placed, and of the wooded hills of Virginia and Maryland.



The Treasury



Red Cross Building

Near by are the national headquarters of the Pan American Union, the Daughters of the American Revolution, the American Red Cross, beautifully symbolizing in stone some of the great movements which center in the Capital. On a distant crest is rising the Gothic Cathedral of SS. Peter and Paul, one of the many noted national churches representing the various religious denominations of the country.

Due to its position in our national life, Washington is not a commercial, industrial, or manufacturing center. Its



Constitution Hall



essential relation to the Government creates a different atmosphere from that of other American cities. The preservation and development of the distinctive beauty of the city is under the control of the Fine Arts and the Park and Planning Commissions, which not only supervise the construction of Government buildings and monuments, parks and boulevards, but of general building projects as well. Such supervision assures the permanent attractiveness of the Capital as expressive of the best spirit and temper in American life.



South View White House

Washington, the Seat of the Government

THE WHITE HOUSE was the first of the public buildings to be erected, and about it group the governmental and social activities of the city. The site of the White House was selected by George Washington himself, and the corner stone was laid by him on October 13, 1792. Near it stand the buildings occupied by the various Departments which are a part of the executive division of the Government under the direction of the President. These Departments are gradually occupying the new classic structures now being built under the direction of the Fine Arts Commission. Flanking the White House are the massive Treasury to the east and the State, War, and Navy Building to the west.

On an eminence a mile and a half distant, the Capitol rears its dome. When the seat of Government was moved to Washington in 1800, there had been erected for the purposes of the Capitol a small rectangular building now known as the Supreme Court section of the Capitol. In this building were housed the United States Senate, the House of Representatives, the Supreme Court, the courts



State, War and Navy Building





Department of Agriculture

of the District of Columbia, and the Library, now known as the Library of Congress. The magnificent wings at present used by the Congress and the famous Capitol dome were added later. The libraries of the Senate and the House, a complete record of the Congress containing 800,000 volumes and documents, are now in the Capitol.

The Capitol is of national interest not only as the seat of the legislative and judicial branches of our Government, but for its art objects of historic value. In addition to the



New Department
of Commerce Building



White House, Front View



East End

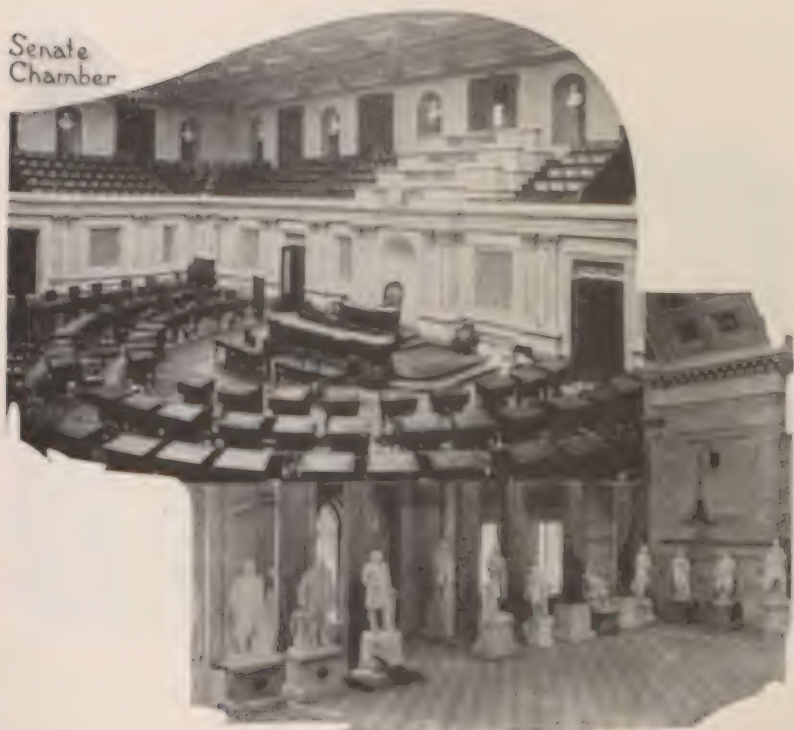
Statuary Hall, to which each State has contributed, the Capitol contains hundreds of statues and paintings portraying national figures and the development of our institutions.

The Government has been likened to a great university, offering special opportunity in the study of governmental administration, diplomacy, the practical application of our constitutional principles, the administration of law, and of political affairs generally. Bureaus, experimental stations, laboratories, museums, and observatories involve every science, while thousands of eminent specialists as a faculty give to the Nation the results of study and of research in a multitude of reports.

The various executive Departments of the Government touch upon large educational problems and develop within themselves educational resources of great value. In addition

to being the custodian of treaties and of the laws of the United States, the Department of State is charged with all matters pertaining to foreign relations and pursues broad studies of an international character. The Treasury Department is responsible for financial and economic analyses and extensive scientific research in public health. Military and naval training are under the supervision of the War and Navy Departments, which also publish official records of highest value in the history of our national conflicts. Of particular scientific interest is the work in engineering, as well as the medical library collected by the office of the Surgeon General. The Department of Agriculture is served by a veritable army of scientific experts in an intensive in-

Senate
Chamber



Statuary Hall



Library
of Congress



Main Stairway-Library of Congress



New
Internal Revenue Building

vestigation of our rural resources. The Department of Commerce, with its economic and social studies, contributes important material in numerous fields of research.

Realizing the unique educational value of such activities, the Congress resolved "that the facilities for research and illustration in any governmental collections now existing or hereafter to be established in the City of Washington for the promotion of knowledge shall be accessible . . . to the scientific investigators and to students of any institution of higher education now incorporated . . . under the laws of Congress."



Smithsonian Institution



Corcoran Gallery



Freer Gallery



National
Museum

National Institutions and Their Educational Relations

CARLYLE said, "The true university . . . is a collection of books." The great Library of Congress, with more than four million books and pamphlets, has accumulated vast stores of knowledge gathered from the ends of the earth. It contains practically every book printed in America and the most prized of foreign publications. The Smithsonian Institution's collection of the transactions and proceedings of learned societies—the most complete scientific library in America—is deposited in the Library. A separate building houses the famous Folger collection of Shakespeareana, recently brought to Washington.

In addition to the priceless manuscripts of the Constitution and the Declaration of Independence, the Library has several hundred thousand unique manuscripts, including the only documentary history of the American Revolution, the journals of the Federal Constitutional Convention, George Washington's diary and letters, and the papers of twenty-two Presidents. In the Division of Manuscripts and in the archives of the Department of State, both of which are accessible to students, are two of the richest collections of source material bearing on the history of the United States. Besides their many other functions the Library of Congress and the De-



The Original of the Constitution and the Declaration of Independence



New
Shakespearean Library

partment of State are engaged in the filing and listing of national historical records of which they are the custodians. This vast material, with the complete files of American newspapers, comprises the greatest storehouse of American literature for the study of our national life. Separate divisions house the Library's extensive collection of music and art.

One of the most recent acquisitions is the valuable Vollbehr Collection of incunabula which, in addition to the famous Gutenberg Bible, includes 3,000 volumes embody-



Bureau of Standards



Army War College

ing fifteenth-century thought in classical literature, theology, history, law, medicine, natural history, zoology, music, painting, astronomy, logic, philosophy, and other topics. This collection is made up only of books printed during the first fifty years after the invention of printing in Europe. The work of some 635 different printing presses in Germany, Switzerland, Italy, France, Spain, Holland, Belgium, Austria, and England are represented. For the benefit of students engaged in research, the Library has recently organized a "faculty" of highly trained specialists in English and American literature, classical literature, European history, church history, economics, philosophy, and science, engaged as consultants in bringing to the reader the benefit of their counsel in the actual use of the material and apparatus which the Library offers.

The Government's broad educational program centers in the Office of Education, which advises with State, county, and urban school officers as to the administration and improvement of schools, and brings to teachers the results of national experiment and experience. The Federal



Interior Library of Congress

Board for Vocational Education administers the large funds contributed by the Government to the States for vocational training.

The Bureau of Standards—itself an amazing physics laboratory—with its large staff of experts, is the Government custodian of official standards and measures. These are compared with those used in science, industry, technology, commerce, and education. It conducts special investigations in structural materials, optics, mechanics and sound, heat and power, electricity, chemistry, engineering, metallurgy, ceramics, and other technical subjects.

The Smithsonian Institution operates largely through several Government Bureaus, with an International Exchange Service which distributes its accumulation of scientific data and information. The Bureau of American Ethnology, the Astrophysical Observatory, and the International Catalogue of Scientific Literature cooperate to organize and diffuse special knowledge. The National Zoological Park, the National Gallery of Art, and the National Museum are also under the administration of the Smithsonian Institution.

The National Museum, with nearly a half-million specimens, is a vast organized collection of the ideas and the works of man, showing how his simple arts and his early beliefs grew into complex culture and organized religions. It also has the finest existing collection of personal relics of George Washington and other historic Americans. The



Arlington Memorial Bridge

National Zoological Park of 175 acres has 2,500 living animals in its care, and is pleasantly situated in Rock Creek valley, adjoining the Park.

At the settlement of Piscataway, between Washington and Mount Vernon, one of the first printing presses was set up in the colonies; and today in the Capital, a short distance away, stands the Government Printing Office, perhaps the largest printing plant in the world. Here all of the publications of the Government are printed—scientific, historical, and political, and all of international importance, including the daily *Congressional Record*, the *Foreign Relations* series, and the laws and treaties of the United States.





Pan American Union



Scottish Rite Temple



National Geographic Society



Carnegie Institution of Washington



National Education Association

International Influences and Educational Advantages

IN ADDITION to the Departments of the Government and the Federal institutions which contribute so largely to learning in the Capital of the Nation, there are many other converging forces to make it the focus of educational, intellectual, and cultural achievement. And with the increasing importance of the United States in world affairs, Washington also has become the crossroads of international life, in contact with old-world cultures and an internationally recognized center of influence.

Because of this unusual relation, many scientific and educational groups and institutions are situated at Washington. Some of these important organizations are the Carnegie Institution of Washington, the Carnegie Institution for the Advancement of Peace, the American Council of Education, the National Academy of Sciences, the National Research Council, the National Education Association, the National Congress of Parents and Teachers, and the National Geographic Society. There are also more than fifty national associations of commerce and industry with headquarters in Washington. All of these groups are centers of information within their own fields, with valuable specialized libraries—more than two hundred in all.



National Academy of Sciences



A significant illustration of the national and international influences which are quickened in such an environment can be seen in the art galleries of the Capital. The National Gallery, which is the official custodian of objects of art owned by the Government, has in its exhibits a combination of historic portraits of national significance as well as rare and exquisite acquisitions from foreign lands. The Corcoran Gallery of Art represents the work of prominent American artists and sculptors, along with the famous Clarke collection of old masters and other items of European art. The Freer Gallery also illustrates this combination, with its large collection of the work of James McNeill Whistler and its rare oriental sculptures, paintings, bronzes, and jades. There are in Washington many private galleries and collections accessible to the student of the arts.

Many international groups and institutions also have made Washington their headquarters. One of the most

interesting of these is the Pan American Union, which has done most valuable work in broadening the understanding between the countries of the western hemisphere.

But most important and significant, contributing to the international aspect of life in the Capital of the Nation, are the Embassies and Legations of foreign countries. Fifty-six nations have representatives residing in Washington. The Embassies and Legations have staffs of diplomatic experts and assistants, men who are not only learned in the political and economic background of their own countries, but who are trained in the social and artistic aspects of the national cultures which they represent. Many points of contact with the intellectual life at the Capital naturally result, and the contributions from these sources are diffuse and far reaching.

Washington has become in the last two decades an ideal university city. In such an atmosphere it is not strange that many institutions of higher learning have developed. As early as 1791, Georgetown University opened its doors to students, and has in its long history under the jurisdiction of the Jesuit Order grown into an institution of importance. Under the patronage of the Methodist Episcopal Church is American University, with its newly developed campus on the outskirts of the city. In Washington is situated The Catholic University of America, authorized by Pope Leo XIII, in 1889, and supported by the Roman Catholic Church.



Public Library

Here also is The George Washington University, founded in 1821, which is non-sectarian.

Not only have these institutions derived stimulation from the presence of the other cultural influences in the Capital but, reciprocally, the scholars of their faculties and the body of students in all branches of university work are contributing no small amount of influence to Washington as a seat of learning.



St. Denis Monument



British
Embassy



French
Embassy

Italian Embassy

A PAGE FROM WASHINGTON'S WILL

of mankind; which, hereafter are
rarely or ercome. — For these rea-
sons, it has been my ardent wish to
see a plan devised on a liberal scale
which would have a tendency to pre-
systematic ideas through all parts
of this rising Empire, thereby to do
away local attachments and state
prejudices, as far as the nature of
things would, or reason ought to ad-
mit, from our National Councils.
— Looking anxiously forward
to the accomplishment of so desira-
ble an object as this is (in my opi-
nion) my mind has not been able to
contemplate any plan more likely
to effect the measure. Now the estab-
lishment of a UNIVERSITY is
a central part of the United States
to which the youth of fortune and
talents from all parts thereof might
be sent for the completion of their
Education in all the branches of po-
lite literature, — in arts and sciences
— in acquiring knowledge in the prin-
ciples of Politics & good Government
— and (as a matter of special impor-
tance in my judgment) by associat-
ing with each other and forming firm
ships in Juvenile years, be enabled
to free themselves of a proper degree
from those local prejudices & habits

The George Washington University

THE idea of a university located in the Capital of the Nation originated with George Washington, who frequently during his public life urged the establishment of such an institution, and in his will left fifty shares of stock in the Potomac Company, for the endowment of a university, to be established in the District of Columbia:

"to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government;—and (as a matter of infinite Importance in my judgment) by associating with each other, and forming friendships in Juvenile years, be enabled to free themselves in a proper degree from those local prejudices and habitual jealousies which have just been mentioned and which when carried to excess are never failing sources of disquietude to the Public mind and pregnant of mischievous consequences to this Country."

Because of international turmoil, war, and invasion during the early years of the new Capital, it was not until 1817 that General Washington's idea of a university was resurrected by another. The Reverend Luther Rice founded in Washington a college "for the teaching of the classics, science and philosophy." In 1819 he and other local citizens



Entrance
Coreoran Hall
The School of Government



W.M. Buildings
Along G Street

formed an association to buy land for such an institution. Among the contributors to the fund of \$7000 which was then raised are found the names of John Quincy Adams, William H. Crawford, and John C. Calhoun (members at that time of President Monroe's Cabinet), together with thirty-two members of Congress and many of the leading citizens of Washington. John Quincy Adams at a later time loaned the young

College nearly \$20,000; and Andrew Jackson during his administration approved an act of Congress granting the College land valued at \$25,000.

"The Columbian College in the District of Columbia" was chartered by an act of Congress of February 9, 1821. By 1822 the main building, begun in 1820, was completed sufficiently for use. Later in that year the College announced that it was "in successful operation with 35 students and a prospect of rapid increase." Dr. William Staughton was elected first President of the College.

When the first commencement was held, on December 15, 1824, the assembly was a truly distinguished one. Among the guests in attendance were



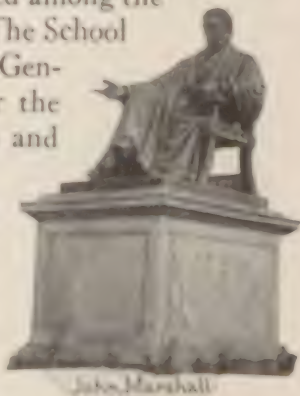
Columbian College
From the Yard

President James Monroe and members of his Cabinet, including John Quincy Adams, then Secretary of State, and John C. Calhoun, Secretary of War; Henry Clay, the Speaker of the House of Representatives; and the Marquis de Lafayette, who was on his farewell visit to the United States. General Lafayette was also the guest of honor at the dinner given to the Trustees and Faculty by the President of the College.

During the century which followed, the University grew with the increasing importance of the Capital in our national life. New schools, colleges, and divisions were added to the University in response to the enlarged educational opportunities in Washington. Thus it was possible at the centennial ceremonies in 1921 for Jules Jusserand, the Ambassador of France, in an address, to declare that The George Washington University represents the realization of General Washington's dream of a national university.

The University's long history is intimately connected with the history of the Federal Government. Men eminent in governmental affairs made possible its foundation and aided it in its growth and development, and their names have become a part of the University tradition. The truly national character of the institution at the present time is suggested by the fact that every State in the nation is represented in the student body, and graduates of nearly 300 colleges and universities are represented among the enrollment of its graduate students. The School of Government is an embodiment of General Washington's expressed wish for the teaching of "the principles of Politics and good Government."

In 1904 the University's name was changed to The George Washington University in honor of the First President, out of whose dream it has grown and whose hope and ideal it represents. The student who would profit



by the educational and scientific resources of Washington, needs some organized medium to help him. The University serves as a coordinating agency for establishing relationships between its membership and the meaning of things in the Capital of the Nation. It continues to develop these relationships and to assimilate them into its programs of study and research. Now in its one hundred and tenth year of continuous educational instruction and research, the University will enroll this year more than 8,000 students. Its work is offered in the fields of Letters and Sciences, undergraduate and graduate, of Law, Medicine, Pharmacy, Nursing, Education, Engineering, Library Science, Fine Arts, and Government.



Botanical Camp

The Summer Sessions

As an introduction to its participation in the celebration of the bicentennial of George Washington, the University offers in its coming Summer Sessions an expanded program to those who come to the Capital of the Nation for university study. The regular academic and professional courses have been considerably amplified, and in addition special courses for teachers of the social sciences and for students of government have been made available. Distinguished scholars from other universities in America and Europe, specialists of the United States Government, and experts in diplomacy and economics from other institutions of Washington have been added to the regular University Faculty to provide unusual curricula.

The Summer Sessions offer an opportunity to continue university work during the summer period. The educational value of a term of study in Washington is of great importance; it forms a background for both intelligent and appreciative citizenship. History, political science, economics, literature, and current events are all vivified by a first-hand knowledge of our national institutions. The schedule of classes will give the student ample time to visit the great libraries and laboratories of the Capital, and to observe the Departments and Bureaus of the Government in operation. The many educational and scientific organizations with central offices and exhibits situated in Washington are accessible to students whose special interests draw on such resources. Excursions will be arranged to the many places of beauty and historic association in nearby Virginia and Maryland.

The Summer Sessions are an integral part of the University, and all courses given are similar to the corresponding courses offered in the other terms. Aca-



Entrance to Stanton Hall

*Colonial Doorways*

demetic credit for courses satisfactorily completed may be applied towards the appropriate degrees in the various Colleges, Schools, and Divisions of the University. The complete educational equipment and facilities of the University are available to students of the Summer Sessions, including li-

braries, laboratories, and field equipment. All departments of the University are open to men and women. The general catalogue should be consulted for all information concerning special regulations and requirements for degrees.

Admission

The requirement for admission to the Junior College, the School of Engineering, the School of Government, and the Division of Fine Arts, is a certificate of graduation from an accredited four-year high-school course, amounting to at least fifteen units and with a scholarship standing which meets the University regulations. Candidates for admission may present certificates of admission or take entrance examinations. Requirements for admission to the Columbian College, the Law School, the School of Education, and the Division of Library Science are stated in the general catalogue, which will be sent to those who request it.

*Bureau
Engraving and Printing*

Advanced Standing

Applicants for admission with advanced standing to undergraduate curricula are required to present certificates of standing and honorable dismissal from the school or college last attended. Credit in accordance with the rules of the various schools may be given for properly certified courses of study in accredited colleges and universities.

Special Students and Auditors

Persons at least twenty-one years of age may apply for admission as special students. They must present a statement of work completed in accredited schools or colleges on the regularly accepted form of the University. If this certificate does not show that they have had the proper preliminary courses for the work they wish to pursue, they must obtain the permission of the department involved.

Special students may qualify for candidacy for a degree by meeting all the entrance requirements, but not more than one year's credit (thirty semester-hours) earned as a special student may be counted toward a degree.

With the permission of the instructor a person may register as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

Amount of Work

a. No student may take more than three courses aggregating nine semester-hours of credit. No employed student may take more than two courses aggregating six semester-hours of credit.

b. Students registered only during the six-weeks term may take



not more than three courses aggregating six semester-hours of credit. Part-time students in the six-weeks term may take not more than two courses aggregating four semester-hours of credit.

c. Students in the Law School may take not more than four semester-hours in each summer term.

Student Life

Provision is made for the social and recreational side of student life during the Summer Sessions. The University's athletic facilities and equipment are available to all students, as are the privileges of the new Student Union. The numerous parks and golf courses of Washington, the riding trails, water sports on the Potomac and at nearby beaches, all offer a wide choice of outdoor recreation. The University reception and dance is an annual event, and special summer editions of the student newspaper are issued. The University fee entitles all students in attendance to medical advice and treatment from the office of the University Physician. A series of University Lectures upon themes of contemporary interest by men distinguished in various phases of our modern life will be given during the Sessions.

Living Quarters and Costs

The University has as yet no dormitories. For the benefit of out-of-town students, the Residence Bureau maintains a list of rooms and apartments near the University. Single rooms usually cost from twenty to thirty dollars a month, and double, from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.



Club Privileges

For the benefit of out-of-town students, summer privileges (subject to certain limitations) have been granted by the Washington Branch of the American Association of University Women and by the University Club of Washington. Under this arrangement, many students may enjoy the use of these club houses and contact with the membership by applying to the Director of the Summer Sessions.



*Summer Sessions
Washington Branch*



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* On sabbatical leave 1930-1931.

† For the Summer Sessions 1931, the President of the University.

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1931

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OWEN BERT FRENCH, C.E.	<i>Professor of Civil Engineering</i>
HENRY GRATTAN DOYLE, A.M.	<i>Professor of Romance Languages</i>
ROBERT FISKE GRIGGS, Ph.D.	<i>Professor of Botany</i>
JOHN DONALDSON, Ph.D.	<i>Professor of Political Economy</i>
HECTOR GALLOWAY SPAULDING, S.B., LL.B., S.J.D.	<i>Professor of Law</i>
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ALBERT BUSHNELL HART, Ph.D., LL.D., Harvard University,	<i>Professorial Lecturer in History</i>
HISTORIAD, Washington Bicentennial Commission,	<i>Professorial Lecturer in Political Science</i>
STANLEY KUHLMORN, Ph.D., The United States Department of State,	

WILLIAM FREDERICK NOTZ, Ph.D., Georgetown University,
Professorial Lecturer in Economics
 LEO S. ROWE, Ph.D., LL.D., The Pan American Union,
Professorial Lecturer in Political Science

ELMER LOUIS KATSEY, A.M. *Associate Professor of History*
 HAROLD GRIFFITH SUTTON, M.S. *Associate Professor of Economics*
 J. ORIN POWERS, Ph.D. *Associate Professor of Education*
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 ELIZABETH PARKER, A.B. *Associate in Zoology*
 HARRIET ELLEN BUNDICK, A.B. *Associate in Zoology*
 HECTOR LAZO, A.B. *Associate in Romance Languages*
 FRANK SMITH, A.M. *Assistant in English*
 EDWARD COOK HENDLEY, B.S. *Fellow in Chemistry*
 ROBERT PARKER JACOBSEN, A.B. *Fellow in Chemistry*
 GRETCHEN LOUISA ROGERS, A.B. *Fellow in German*

Courses of Instruction

Courses will be offered in the Junior College, Columbian College, the Graduate School, the School of Education, the School of Engineering, the School of Government, the Division of Library Science, the Division of Fine Arts, and the Law School

The courses of instruction listed herewith are subject to some slight change. Courses preceded by a star (*) are in the Six-Weeks Term, beginning June 29; all other courses begin on June 15 unless otherwise stated. Courses preceded by a dagger (†) can be taken only as one unit; no credit is given for separate halves. The number of semester-hour credits is stated after the title of each. All classes are held Monday to Friday, inclusive, unless otherwise designated.

BOTANY

†1-2	<i>General Botany</i> (3-3)	Griggs and Assistant	6:10-9:00 P. M.
5-6	<i>Field Botany</i> (3-3)	Griggs	1:10-4:00 P. M.
211	<i>Research</i>	Griggs	Credits and hours to be arranged

CHEMISTRY

†5-6	<i>General Chemistry</i> (4-4)	Van Evera and Assistant	8:40-9:45 A. M.; 9:55 A. M.-1:30 P. M.
35-6	<i>Inorganic Chemistry</i> (2-2)	Van Evera	9:55 A. M.-1:30 P. M.
†41-2	<i>Organic Chemistry</i> (4-4)	Knowles and Assistant	8:40-9:45 A. M.; 9:55 A. M.-1:30 P. M.
135-6	<i>Inorganic Chemistry</i> (2-2)	Van Evera	9:55 A. M.-1:30 P. M.
145-6	<i>Organic Chemistry</i> (2-2)	Knowles	9:55 A. M.-1:30 P. M.
†297-8	<i>Research</i> (3-3)	Staff	Credits and hours to be arranged

ECONOMICS

1-2	<i>Principles of Economics</i> (3-3)	Johnson	6:10-8:00 P. M.
†21-2	<i>Principles of Accounting</i> (3-3)	Owens	5:10-7:00 P. M.
106	<i>Economic History of the United States</i> (3)	Johnson	5:10 P. M.
†119-20	<i>Money and Banking</i> (3-3)	Sutton	5:10-7:00 P. M.
*127	<i>European National Banking Systems</i> (2)	Hardy	9:40 A. M.
136	<i>Investments</i> (3)	Sutton	7:10 P. M.
139	<i>Cost Accounting</i> (3)	Owens	7:10 P. M.
*155	<i>International Shipping</i> (2)	Esch	10:40 A. M.
*185	<i>European Economic Problems</i> (2)	Notz	11:40 A. M.
†191-2	<i>International Economic Relations</i> (3-3)	Donaldson	5:10-7:00 P. M.
252	<i>Seminar in National and International Economic Problems</i> (3)	Donaldson	7:30 P. M. on Wednesdays

EDUCATION

111	<i>History of Education</i> (3) Powers	7:40 A. M.
126	<i>Technique of Teaching</i> (2) Halberg	8:40 A. M.
*133	<i>Tests and Measurements</i> (2) Broom	11:40 A. M.
*137	<i>Tests in High-School Subjects</i> (2) Noll	7:40 A. M.
*142	<i>Primary Education</i> (2) Halberg	9:40 A. M.
*147	<i>Psychology of Elementary School Subjects</i> (2) Broom	8:40 A. M.
*149	<i>Curriculum</i> (2) French	10:40 A. M.
*151	<i>The High School</i> (2) Billet	7:40 A. M.
*152	<i>Junior High School</i> (2) Powers	8:40 A. M.
*157	<i>Teaching of Social Sciences</i> (2) Hill	4:10 P. M.
*175	<i>Teaching of Romance Languages</i> (2) Doyle	11:40 A. M.
*211	<i>Seminar, Educational Origins</i> (3) French	11:40 A. M.
*286	<i>Seminar, High-School Administration</i> (3) Powers	10:40 A. M.
*288	<i>Seminar, Supervision</i> (3) Broom	9:40 A. M.
	<i>Psychology for Teachers</i> (2) Omwake	10:40 A. M.
	<i>Statistics in Psychology and Education</i> (2) Hunt	11:40 A. M.
	<i>Oral Methods in Education</i> (2) Yeager	10:40 A. M.
	<i>Educational Sociology</i> (2) Willard	10:40 A. M.

ENGINEERING

MECHANICAL

4	<i>Descriptive Geometry</i> (3) Johnson	5:10 P. M.
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CIVIL

5	<i>Elements of Surveying</i> (2) French	5:10-7:00 P. M., 1:00-7:00 P. M., Saturday
*25-6	<i>Materials of Construction</i> (2-2) Lapham	5:10-7:00 P. M.

ENGLISH

*1	<i>English Rhetoric</i> (2) Wilbur and Smith	5:10 P. M.
*2	<i>English Rhetoric</i> (2) Wilbur and Smith	6:10 P. M.
*10	<i>English Composition</i> (2) Bement	10:40 A. M.
91	<i>Types of European Literature</i> (3) Smith	5:10 P. M.
92	<i>Types of European Literature</i> (3) Croissant	6:10 P. M.
*115	<i>The Short Story</i> (2) Bement	9:40 A. M.
*139	<i>Milton's Paradise Lost</i> (2) Wilbur	4:10 P. M.
141	<i>The Age of Dryden</i> (3) Croissant	5:10 P. M.
152	<i>The Romantic Movement</i> (3) Smith	6:10 P. M.
*180	<i>Fiction Since 1890</i> (2) Bement	11:40 A. M.
241	<i>Studies in Neo-Classicism</i> (3) Croissant	8:00 P. M., Tuesday and Thursday
272	<i>Studies in American Literature</i> (3) Bolwell	5:10 P. M.

The Summer Sessions

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FINE ARTS

ARCHITECTURE

- *9 *Architectural Drawing* (2) Crandall 5:10-7:40 P. M.
- *10 *Shades and Shadows* (2) Crandall 5:10-7:40 P. M.
- *20 *Design, Elementary or Advanced* (2) Crandall 5:10-7:40 P. M.
- *140 *Office Practice* (2) Crandall 5:10-7:40 P. M.

GRAPHIC ART

- *5-6 *Pencil Sketching* (2) Weisz
Section A—8:40-11:00 A. M., Section B—5:10-7:40 P. M.
- *21 *Water Color* (2) Weisz
Section A—8:40-11:00 A. M., Section B—5:10-7:40 P. M.
- *22 *Water Color* (2) Weisz
Section A—8:40-11:00 A. M., Section B—5:10-7:40 P. M.
- *105 *Advanced Pencil Sketching* (2) Weisz
Section A—8:40-11:00 A. M., Section B—5:10-7:40 P. M.
- *122 *Advanced Water Color* (2) Weisz
Section A—8:40-11:00 A. M., Section B—5:10-7:40 P. M.
- *130 *Sketching in Oil* (2) Weisz
Section A—8:40-11:00 A. M., Section B—5:10-7:40 P. M.

FRENCH (See Romance Languages)

GEOLOGY

- †1-2 *Elementary Mineralogy* (2-2) Henderson 7:40 A. M.
- †21-2 *Physical and Historical Geology* (3-3) Bassler 5:10-7:00 P. M.
(Course ends on July 25)
- 215-6 *Advanced Geology* Bassler Credits and hours to be arranged

GERMAN

- †1-2 *Elementary German* (3-3) Rogers 5:10-7:00 P. M.
- †5-6 *Second-Year German* (3-3) Hughes 5:10-7:00 P. M.

HISTORY

- 1 *United States History* (3) Wilgus 5:10 P. M.
- 23 *Ancient History* (3) Kayser 5:10 P. M.
- 24 *Medieval Civilization* (3) Kayser 6:10 P. M.
- 37 *History of Modern Europe* (3) Rister 5:10 P. M.
- *120 *George Washington and His Times* Hart
Credits and hours to be arranged
- 144 *Economic History of Europe in 19th and 20th Centuries*
(3) Rister 7:40 A. M.
- *145 *History of European Culture in the Renaissance Centuries*
(2) Kayser 10:40 A. M.
- *150 *Europe Since 1914* (2) Rister 9:40 A. M.

- 151 *English History* (3) Churchill 5:10 P. M.
 *155 *British Empire and the Dominions* (2) Churchill 6:10 P. M.
 176 *History of the Hispanic-American Nations* (3) Wilgus 6:10 P. M.
 260 *Republican Experiment in England* (3) Churchill 7:30 P. M. Monday and Thursday

LAW

FIRST SESSION

- 133-4 *Personal Property* (4) Fryer 5:10-6:00 and 6:10-7:00 P. M.
 163-4 *Bills and Notes* (4) Oppenheim 5:10-6:00 and 6:10-7:00 P. M.
 170 *Domestic Relations* (2) Moll 5:10-6:00 and 6:10-7:00 P. M. Tuesday and Friday,
 Wednesday 6:10-7:00 P. M.
 185 *Quasi-Contracts* (2) Moll 5:10-6:00 and 6:10-7:00 P. M. Monday and Thursday,
 Wednesday 5:10-6:00 P. M.
 281 *Labor Law* (2) Spaulding 7:40 A. M. Tuesday to Saturday inclusive

SECOND SESSION

- 141-2 *Torts* (4) Hunter 5:10-6:00 and 6:10-7:00 P. M.
 257-8 *Corporations* (4) Davison 5:10-6:00 and 6:10-7:00 P. M.
 283 *Municipal Corporations* (2) Arant 5:10-6:00 and 6:10-7:00 P. M. Tuesday and Friday,
 Wednesday 6:10-7:00 P. M.
 298 *Suretyship* (2) Arant 5:10-6:00 and 6:10-7:00 P. M. Monday and Thursday,
 Wednesday 5:10-6:00 P. M.
 303-4 *Wills and Administration* (4) Benson 5:10-6:00 and 6:10-7:00 P. M.

LIBRARY SCIENCE

- 101 *Cataloguing* (3) Lathrop 5:10 P. M.
 122 *Classification* (3) Schmidt 6:10 P. M.
 132 *Reference and Bibliography* (3) Schmidt 7:00 P. M.
 138 *School Libraries* (3) Lathrop 7:40 A. M.

MATHEMATICS

- 3 *College Algebra* (3) Johnston 5:10 P. M.
 6 *Plane Trigonometry* (3) Mears 6:10 P. M.
 12 *Analytic Geometry* (3) Mears 5:10 P. M.
 19 *Differential Calculus* (3) Taylor 6:10 P. M.
 20 *Integral Calculus* (3) Johnston 6:10 P. M.
 139 *Projective Geometry* (3) Taylor 5:10 P. M.

PHILOSOPHY

- 103 *Principles of Philosophy* (3) Richardson 5:10 P. M.
 *131 *Ethics* (2) Richardson 11:40 A. M.
 133 *Philosophy of Religion* (3) Richardson 6:10 P. M.

The Summer Sessions

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PHYSICS

- 7 *General Physics* (4) Cheney and Seeger
5:10 P. M. daily and 7:30-10:30 P. M. Tuesday
- 8 *General Physics* (4) Cheney and Seeger
6:10 P. M. daily and 7:30-10:30 P. M. Thursday
- 9 *Beginner's General Physics* (5) Cheney and Seeger
5:10 P. M. daily and 7:30-10:30 P. M. Tuesday and Thursday
- 10 *Beginner's General Physics* (5) Cheney and Seeger
6:10 P. M. daily and 7:30-10:30 P. M. Tuesday and Thursday

POLITICAL SCIENCE

- 9 *Government of the United States* (3) West 5:10 P. M.
- 10 *Government of the United States* (3) West 6:10 P. M.
- *113 *Comparative European Governments* (2) Ogg 9:40 A. M.
- *177 *Survey of American Foreign Policy* (2) Hill, Hornbeck,
Rowe, Panaretoff 5:10 P. M.
- *181 *International Law* (2) Hill 6:10 P. M.
- *192 *The Far East* (2) Ogg 10:40 A. M.
- 194 *Political Institutions of Hispanic-America* (3) Wilgus 7:40 A. M.
- 209 *Seminar* (3) West 7:30 P. M. Tuesday and Thursday

PSYCHOLOGY

- 1 *General Psychology* (3) Omwake 5:10 P. M.
- 2 *Applied Psychology* (3) Omwake 6:10 P. M.
- *103 *Psychology for Teachers* (2) Omwake 10:40 A. M.
- 115 *Clinical Psychology* (3) Hunt 7:40 A. M.
- 120 *Psychological Tests* (3) Hunt 6:10 P. M.
- *132 *Statistics in Psychology and Education* (2) Hunt 11:40 A. M.
- 211 *Seminar* (3) Middleton 7:50-10:00 P. M. Tuesday and Thursday

PUBLIC SPEAKING

- 1 *Principles of Effective Speaking* (3) Yeager 5:10 P. M.
- 8 *Oral Interpretation of Literature* (3) Yeager 6:10 P. M.
- *159 *Oral Methods in Education* (2) Yeager 10:40 A. M.

ROMANCE LANGUAGES

FRENCH

- 11-2 *Beginning French* (3-3) Kramer 5:10-6:00 and 7:10-8:00 P. M.
- 2X *Beginning French* (3) Kramer 6:10-7:00 P. M.
- 15-6 *Intermediate French* (3-3) Béneteau 5:10-6:00 and 7:10-8:00 P. M.
- *7 *Conversational French* (2) Béneteau 6:10-7:00 P. M.
- 115-6 *Survey of French Literature* (3-3) Protzman 5:10-6:00 and 7:10-8:00 P. M.

SPANISH

- †1-2 *Beginning Spanish* (3-3) Lazo 5:10-6:00 and 7:10-8:00 P. M.
 2X *Beginning Spanish* (3) Protzman 6:10-7:00 P. M.
 †5-6 *Intermediate Spanish* (3-3) Corliss 5:10-6:00 and 7:10-8:00 P. M.
 *7 *Conversational Spanish* (2) Lazo 6:10-7:00 P. M.
 †115-6 *Survey of Spanish Literature* (3-3) Doyle 5:10-6:00 and 7:10-8:00 P. M.
 *175 *The Teaching of Romance Languages* (2) Doyle 11:40 A. M.

SOCIOLOGY

- 27 *Principles of Sociology* (3) Willard 5:10 P. M.
 *119 *Educational Sociology* (2) Willard 10:40 A. M.
 126 *Social Organization* (3) Willard 6:10 P. M.

SPANISH (See Romance Languages)

ZOOLOGY

- 3-4 *Introduction to Zoology* (4-4) Bartsch and Parker 5:10 P. M. and 6:10-9:00 P. M.
 *53 *Field Zoology* (2) Bartsch and Bundick 7:40-9:30 A. M.
 136 *Histology* (3) Bartsch 6:10 P. M.



Fees and Expenses

All fees are payable at the office of the Comptroller, 2033 G Street, NW.

Tuition Fee for each semester-hour of work taken (except Law School)	\$7.00
Tuition Fee for each semester-hour of work taken in the Law School	8.00
University Fee	3.00
Late-Registration Fee	5.00
Reinstatement Fee	4.00

LABORATORY AND COURSE FEES:

ARCHITECTURE	
Courses 9, 10, 20, 140 each	3.00
BOTANY	
Courses 1, 2 each	5.00
CHEMISTRY	
Courses 5, 6 each	8.00
35, 36, 41, 42, 135, 136, 145, 146, 297, 298 each	10.00
Deposits, Courses 5-6, 35-36, 135-136	15.00
41-42, 145-146, 297-298	20.00
CIVIL ENGINEERING	
Course 5	2.00
EDUCATION	
Courses 133, 137 each	2.00
GEOLOGY	
Courses 1, 2 each	3.00
GRAPHIC ART	
Courses 5, 6, 21, 22, 105, 122, 130 each	3.00
LIBRARY SCIENCE	
Courses 101, 138 each	2.00
MECHANICAL ENGINEERING	
Course 4	2.00
PHYSICS	
Courses 7, 8 each	10.00
9, 10 each	8.00
PSYCHOLOGY	
Course 120	3.00
ZOOLOGY	
Courses 3, 4, 136 each	5.00
Deposits, Courses 3, 4, 136 each	5.00
Microscope Rental, Courses 3-4	5.00

FINANCIAL REGULATIONS

Fees are due and payable upon registration, but the nine-weeks students may pay their fees (excepting the University Fee) in three equal instalments: at the time of registration, July 1st, and July 15th; the six-weeks students in two equal instalments, at the time of registration and July 15th. Students whose fees are not paid in full two days after the final dates mentioned and who have not made arrangements with the Comptroller for later payment, will be suspended and may not attend classes until they have paid all accrued fees, a reinstatement fee of \$4.00, and have been officially reinstated.

Students registered for three hours or less must pay their fees in full at the time of registration.

Auditors pay all fees chargeable to students registered for credit except the late-registration fee.

No student may register in any department of the University who owes fees in any other department of the University, and no student may reregister in any year who owes fees from any previous year.

High-school and other scholarships do not apply to work taken during the Summer Sessions.

REFUNDS

No part of an instalment payment shall be returnable. In no case will tuition be reduced or refunded because of non-attendance upon classes. As the fiscal year of the University ends August 31st, no requests for refunds can receive consideration after that date.

WITHDRAWAL

Students who are compelled to withdraw before the end of the session should promptly notify the Dean of the College or School in which they are registered.

No permission to withdraw and no certificate of work done will be given a student unless all fees and dues chargeable up to the date of official withdrawal have been paid. A student is liable for all charges for courses for which he has registered until due notice of withdrawal is received by the Dean. Notice to an instructor does not constitute due notice of withdrawal.



Great Falls near Potomac

Calendar of the Summer Sessions

1931

May 18-27	<i>Monday— Wednesday</i>	Pre-registration period for all courses in the Summer Sessions.
June 12-13	<i>Friday— Saturday</i>	Registration period for all courses in the Summer Sessions, 8:00-12:00 A. M.; 2:00-6:00 P. M.
June 15	<i>Monday</i>	Instruction begins in the Nine-Weeks Term and in the First Term of the Law School.
June 16	<i>Tuesday</i>	Late-Registration Fee (\$5.00) is charged for all registrations in the Nine-Weeks Term and First Term of the Law School.
June 22	<i>Monday</i>	Last day on which late registration is permitted for Nine-Weeks Term and First Term of the Law School.
June 26-27	<i>Friday— Saturday</i>	Registration period for the Six-Weeks Term in all Schools and Divisions, except the Law School.
June 29	<i>Monday</i>	Instruction begins in the Six-Weeks Term (all courses marked by a star [*]). Late-Registration Fee (\$5.00) is charged for all registrations in the Six-Weeks Term.
July 4	<i>Saturday</i>	Holiday.
July 6	<i>Monday</i>	Last day on which late registration is permitted for the Six-Weeks Term.
July 28-29	<i>Tuesday— Wednesday</i>	Registration period for Second Term in the Law School.
July 29	<i>Wednesday</i>	First term of Law School ends.
July 30	<i>Thursday</i>	Second term of Law School begins.
July 31	<i>Friday</i>	Late-Registration Fee (\$5.00) is charged for all registrations in Second Term of the Law School.
August 6	<i>Thursday</i>	Last day on which late registration is permitted for Second Term of the Law School.
August 8	<i>Saturday</i>	Six-Weeks Term ends in all Schools and Divisions, except the Law School.
August 15	<i>Saturday</i>	Nine-Weeks Term ends in all Schools and Divisions, except the Law School.
September 12	<i>Saturday</i>	Second Term of the Law School ends.



Instructions for Admission to the Summer Sessions

1. Every student should fill out the application form inserted in this bulletin. Please do not omit answers to any questions.

2. A student entering for the first time in these Sessions and expecting to become candidate for a degree should be certain that a transcript of his record from each institution attended is sent *direct* to this University.

- a. If you have graduated from a high school only, ask the Director of Admissions to mail you a special high-school record form which you will then forward to your principal.
- b. If you have done college, normal-school, or university work, you do not need to send for a high-school record *unless* you are applying for the pre-medical course. In that case, the high-school record is required on our form.

3. A student entering for the first time, who is in good standing at an institution of higher learning and who expects to ask to have his Summer Sessions credits as earned in The George Washington University transferred to another institution, needs to furnish a statement of good standing rather than a complete transcript. A satisfactory form appears at the end of this bulletin. Tear along the perforation and send to the registrar of the last institution attended.

If you have graduated from high school and have never attended college, it will be necessary for you to have your principal send your high-school record to this institution to establish your eligibility for admission, even though at the end of the Summer Sessions you request that your credits be transferred to another institution.

4. You are urged to have your application and credentials filed as soon as you have decided to attend the Summer Sessions, in order that you may receive your acceptance without delay.



THE CATALOGUE ISSUE
1931-32

THE
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WASHINGTON
UNIVERSITY
BULLETIN

VOL. XXX

No. 2

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WASHINGTON, D. C.

PUBLISHED IN APRIL

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BY THE UNIVERSITY

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GEORGE WASHINGTON

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THE UNIVERSITY CALENDAR

1931

July						
S	M	T	W	T	F	S
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5	6	7	8	9	10	11
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September

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1932

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31

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July						
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August

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September

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October

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November

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December

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18	19	20	21	22	23	24
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THE UNIVERSITY CALENDAR

1931-32

Date	Days	Occasion
1931: September 14-19...	Monday to Saturday, both dates inclusive.	The pre-session examinations in the School of Medicine will be held
September 19-22...	Saturday to Tuesday, both dates inclusive.	Registration period for the first semester in all Schools and Di- visions except the School of Medicine
September 23.....	Wednesday.....	The academic year begins in all departments
September 23-24...	Wednesday and Thurs- day.	Examinations will be held in the Junior College and Columbian College for students who wish to be relieved of curriculum requirements and qualify for advanced courses in certain subjects
September 26.....	Saturday.....	Last day for late registration in the School of Medicine Last day for receiving theses of candidates for the degree of Master of Arts in October
October 6.....	Tuesday.....	Last day for late registration for the first semester in all depart- ments of the University except the School of Medicine Last day on which candidates may file thesis subjects for the degree of Master of Arts to be received in February
October 8.....	Thursday.....	Stated meeting of the Board of Trustees
October 21.....	Wednesday.....	Fall Convocation Last day for late registration for year enrolment in the Law School

The George Washington University

Date	Days	Occasion
<i>1931:</i>		
November 2.....	Monday.....	Second instalment of first-semester tuition due Last day on which candidates may file thesis subjects for the degree of Doctor of Philosophy to be received the following June
November 26-28....	Thursday to Saturday, both dates inclusive.	Thanksgiving recess
December 1.....	Tuesday.....	Third instalment of first-semester tuition due
December 10.....	Thursday.....	Stated meeting of the Board of Trustees
December 19.....	Saturday.....	End of the first term in the School of Medicine
December 21-January 2.	Monday to Saturday, both dates inclusive.	Christmas recess
<i>1932:</i>		
January 4.....	Monday.....	Classes resumed in all departments of the University. Second term in the School of Medicine begins
January 11.....	Monday.....	Last day for applications for degrees and Junior Certificates to be conferred in February Last day for receiving theses of candidates for the degree of Doctor of Philosophy in February
January 11-27....	Monday to Wednesday, both dates inclusive.	Preregistration period for the second semester in all departments of the University except the School of Medicine
January 25.....	Monday.....	Last day for receiving theses of candidates for the degree of Master of Arts in February
January 25-30.....	Monday to Saturday, both dates inclusive.	Mid-year examination period in the Law School
January 28-February 3.	Thursday to Wednesday, both dates inclusive.	Mid-year examination period in all departments of the University except the School of Medicine and the Law School

The University Calendar

5

Date	Days	Occasion
1932:		
January 29-30	Friday and Saturday	Registration period for the second semester in the Law School
February 1	Monday	Classes resumed for the second semester in the Law School
February 4-6	Thursday to Saturday, both dates inclusive.	Mid-year recess except in the School of Medicine and the Law School
February 8-9	Monday and Tuesday	Registration period for the second semester in all departments of the University except the School of Medicine and the Law School
February 10	Wednesday	Classes resumed for the second semester in all departments of the University except the School of Medicine and the Law School
February 10-11	Wednesday and Thursday.	Examinations will be held in the Junior College and Columbian College for students who wish to be relieved of curriculum requirements and qualify for advanced courses in certain subjects
February 11	Thursday	Stated meeting of the Board of Trustees
February 22	Monday	Mid-winter Convocation. Holiday in all departments of the University
February 23	Tuesday	Last day on which candidates may file thesis subjects for the degree of Master of Arts to be received in June Last day for late registration for the second semester in all departments of the University except the School of Medicine
March 1	Tuesday	Second instalment of second-semester tuition due Applications for fellowships for 1932-33 should be filed
March 10	Thursday	Stated meeting of the Board of Trustees

Date	Days	Occasion
<i>1932:</i>		
March 12.....	Saturday.....	End of the second term in the School of Medicine
March 14.....	Monday.....	Classes resumed for the third term in the School of Medicine
March 28-April 2...	Monday to Saturday, both dates inclusive.	Easter recess
April 1.....	Friday.....	Third instalment of second-semester tuition due Last day for receiving theses of candidates for professional degrees in Engineering to be received in June
May 2.....	Monday.....	Last day for receiving theses of candidates for the degree of Doctor of Philosophy in June Last day on which candidates may file thesis subjects for the degree of Doctor of Philosophy to be received the following February Last day for applications for degrees and Junior Certificates to be conferred in June
May 16.....	Monday.....	Last day for receiving theses of candidates for the degree of Master of Arts in June Applications for scholarships for 1932-33 should be filed
May 17-28.....	Tuesday to Saturday, both dates inclusive.	Final-examination period in the School of Medicine
May 23-June 11...	Wednesday to Saturday, both dates inclusive.	Final-examination period in the Law School
May 30.....	Monday.....	Decoration Day. Holiday in all departments of the University
June 2-9.....	Thursday to Thursday, both dates inclusive.	Final-examination period in all Schools and Divisions except the School of Medicine and the Law School
June 2.....	Thursday.....	Annual meeting of the Board of Trustees
June 12.....	Sunday.....	Baccalaureate Sermon

The University Calendar

7

Date	Days	Occasion
<i>1932:</i>		
June 15.....	Wednesday.....	Commencement
June 20.....	Monday.....	Instruction begins in the nine weeks' term in the Summer Sessions Instruction begins in the first summer term of the Law School
July 5.....	Tuesday.....	Instruction begins in the six weeks' term in the Summer Sessions
August 3.....	Wednesday.....	First summer term in the Law School ends
August 4.....	Thursday.....	Second summer term in the Law School begins
August 13.....	Saturday.....	Six weeks' summer term ends in all Schools and Divisions except the Law School
August 20.....	Saturday.....	Nine weeks' summer term ends in all Schools and Divisions except the Law School
September 17.....	Saturday.....	Second summer term in the Law School ends
September 17-20...	Saturday to Tuesday, both dates inclusive.	Registration period for the first semester of the academic year 1931-32 in all Schools and Divisions except the School of Medicine

OFFICERS AND COMMITTEES
OF THE UNIVERSITY

THE BOARD OF TRUSTEES

The Board of Trustees of the University is comprised of the President of the University, ex officio, and the following persons by election:

1932

- *Avery DeLano Andrews, LL.B., 440 Park Avenue, New York City.
- Clarence Aikin Aspinwall, 1140 Fifteenth Street.
- Douglas Putnam Birnie, A.B., B.D., D.D., 2029 Connecticut Avenue.
- *John Joy Edson, LL.B., 915 F Street.
- Mrs. Joshua Evans, jr., A.B., 3405 Lowell Street.
- William James Flather, Riggs National Bank.
- John Hays Hammond, A.M., E.D., LL.D., 2221 Kalorama Road.
- Abram Lisner, A.M., 1723 Massachusetts Avenue.
- Charles Riborg Mann, Ph.D., Sc.D., 26 Jackson Place.
- Henry Benning Spencer, A.B., Munsey Building.
- Walter Rupert Tuckerman, A.B., LL.B., Bethesda, Maryland.

1933

- Norval Landon Burchell, A.M., LL.M., 817-19 Fourteenth Street.
- Karl William Corby, B.S., Hibbs Building.
- *Harry Cassell Davis, A.M., L.H.D., 1444 W Street.
- Charles William Gerstenberg, LL.B., 70 Fifth Avenue, New York City.
- Ulysses S. Grant, 3d, Graduate, U. S. Military Academy and U. S. Engineers' School, Navy Building.
- Gilbert Grosvenor, A.M., LL.D., Litt.D., National Geographic Society.
- Alfred Henry Lawson, LL.B., Washington Loan and Trust Company.
- Theodore Williams Noyes, A.M., LL.M., LL.D., The Evening Star.
- John Barton Payne, LL.D., 1601 Eye Street.
- Charles Harries Woodhull, 1767 Massachusetts Avenue.

1934

- John Henry Cowles, 1733 Sixteenth Street.
- Robert Vedder Fleming, Riggs National Bank.
- Julius Garfinckel, Fourteenth and F Streets.
- Charles Carroll Glover, jr., A.M., LL.B., 1508 H Street.
- *Stephen Elliott Kramer, B.S., A.M., Franklin Administration Building.

* Nominated by the alumni.

John Bell Larner, LL.B., LL.D., Washington Loan and Trust Building.

Arthur Peter, LL.B., Washington Loan and Trust Building.

Mrs. Henry Alvah Strong, The Mayflower.

Merle Thorpe, A.B., U. S. Chamber of Commerce Building.

*Alfred Adams Wheat, A.B., LL.B., LL.D., District Court House.

Chairman of the Board of Trustees
John Bell Larner

Vice Chairman of the Board of Trustees
Charles Carroll Glover, jr.

Secretary of the Board of Trustees
Harry Cassell Davis

* Nominated by the alumni.

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The President of the University, *Chairman*; Mr. Larner, Mr. Glover,
Mr. Mann, Mrs. Evans, Mr. Tuckerman, Mr. Payne

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Mrs. Strong

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Mr. Aspinwall, *Chairman*; Mr. Payne, Mr. Hammond, Mr. Corby,
Mr. Cowles

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Mr. Glover, *Chairman*; Mr. Larner, Mr. Burchell, Mr. Peter, Mr. Fleming

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COMMITTEE ON HONORS

Mr. Grosvenor, *Chairman*; Mr. Mann, Mr. Birnie, Mr. Wheat, Mr. Glover

COMMITTEE ON ALUMNI RELATIONS

Mr. Davis, *Chairman*; Mrs. Evans, Mr. Flather, Mr. Noyes, Mr. Edson

COMMITTEE ON UNIVERSITY LIBRARIES AND MUSEUMS

Mr. Burchell, *Chairman*; Mr. Lisner, Mr. Spencer, Mr. Woodhull,
Mr. Noyes

COMMITTEE ON LEGAL AFFAIRS

Mr. Peter, *Chairman*; Mr. Wheat, Mr. Fleming, Mr. Cowles, Mr. Andrews

COMMITTEE ON BUILDINGS AND LANDS

Mr. Garfinckel, *Chairman*; Mr. Tuckerman, Mr. Lisner, Mr. Lawson,
Mr. Grant

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THE UNIVERSITY

- Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*
William Allen Wilbur, A.M., Litt.D., LL.D., *Provost of the University.*
Charles Wendell Holmes, *Comptroller of the University.*
Harold Griffith Sutton, M.S., *Director of Admissions.*
*Alfred Francis William Schmidt, A.M., *Librarian of the University.*
Fred Everett Nessell, A.B., *Registrar of the University.*
Robert Whitney Bolwell, Ph.D., *Dean of the Summer Sessions.*
Vinnie Giffen Barrows, A.B., *Director of Women's Personnel Guidance.*
Daniel LeRay Borden, A.M., M.D., *Director of Health Administration.*
Alan Thomas Deibert, A.M., *Adviser to Students from Foreign Countries.*
John Russell Mason, A.M., *Acting Librarian of the University.*

THE COLLEGES AND SCHOOLS

- Charles Edward Hill, Ph.D., *Secretary of the Graduate Council of the University.*
Henry Grattan Doyle, A.M., *Dean of the Junior College.*
_____, *Dean of Columbian College.*
Earl Baldwin McKinley, A.B., M.D., *Dean of the School of Medicine.*
William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School.*
John Raymond Lapham, M.S. in C.E., *Dean of the School of Engineering.*
William Paul Briggs, M.S., *Dean of the School of Pharmacy.*
*William Carl Ruediger, Ph.D., *Dean of the School of Education.*
William Cullen French, Ph.D., *Acting Dean of the School of Education.*
_____, *Dean of the School of Government.*
*Alfred Francis William Schmidt, A.M., *Director of the Division of Library Science.*
Norris Ingersoll Crandall, M.Arch., *Director of the Division of Fine Arts.*
Elmer Louis Kayser, A.M., *Director of the Division of University and Extension Students.*

* On sabbatical leave 1931-32.

THE PRESIDENT'S COUNCIL

THE UNIVERSITY

The President of the University
The Provost of the University
The Comptroller of the University
The Director of Admissions
The Registrar of the University
The Dean of the Summer Sessions

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1931-32

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- CHARLES LOUIS BILLARD, M.D., Woodley Park Towers.
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HENRY JOSEPH WING, Ph.D., <i>Associate in Physics.</i>	4105 Wisconsin Ave.
EWALD WITT, M.S., <i>Instructor in Pharmacy.</i>	2124 I St.
EDGAR WILLIAM WOOLARD, Ph.D., <i>Assistant Professor of Mathematics.</i>	1232 30th St.
WILLARD HAYES YEAGER, A.M., <i>Depew Professor of Public Speaking.</i>	1604 44th St.
LAWSON EDWIN YOCUM, Ph.D., <i>Assistant Professor of Botany.</i>	2033 G St.
JOSEPH STEINHAUER ZUCKER, Ph.D., <i>Professorial Lecturer on Taxation.</i>	1338 Taylor St.

ASSISTANTS IN INSTRUCTION

HARRIET E. N. CHACE, <i>Assistant in English.</i>	6 W. Virgilia St., Chevy Chase, Md.
CHARLES WILLIAM COLE, A.B., <i>Sanders Fellow in English.</i>	23 Drummond Ave., Chevy Chase, Md.
ARNOLD ROY DAUM, B.S., <i>Sanders Fellow in English.</i>	1743 Connecticut Ave.
PEARCE DAVIS, B.S., <i>Sanders Fellow in Economics.</i>	3621 Newark St.
DANIEL BERNARD FISHER, B.S., <i>Sanders Fellow in Mathematics.</i>	2033 G St.
BERENICE E. GRIEVES, A.M., <i>Sanders Fellow in English.</i>	2033 G St.
EDWARD COOK HENDLEY, B.S., <i>Fellow in Chemistry.</i>	101 Custis Place, Clarendon, Va.
ROBERT PARKER JACOBSEN, A.B., <i>Fellow in Chemistry.</i>	1904 G St.
CHARLES HENRY KEPLINGER, B.S., <i>Sanders Fellow in Physics.</i>	2033 G St.
GEORGE KOEHL, A.B., <i>Sanders Fellow in Physics.</i>	2033 G St.
MATALEE TALBUTT LAKE, A.M., <i>Assistant in Philosophy.</i>	2800 Wisconsin Ave.
HERSCHEL CLARENCE LANDRU, A.B., <i>Sanders Fellow in History.</i>	118 Malvern Ave., Cherrydale, Va.
JAMES E. LEWIS, B.S., <i>Sanders Fellow in Physics.</i>	2033 G St.
WILLIAM HENRY LEYKING, B.S., <i>Sanders Fellow in Chemistry.</i>	1743 L St.
GEORGE W. MALLOY, A.B., <i>Sanders Fellow in History.</i>	2033 G St.
KENNETH R. MILLER, A.B., <i>Sanders Fellow in Chemistry.</i>	2033 G St.
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GRETCHEN LOUISA ROGERS, A.B., <i>Fellow in German.</i>	1915 G St.

VERNON G. SETSER, A.M., <i>Sanders Fellow in History.</i>	2033 G St.
DEWITT SMITH, B.S., <i>Sanders Fellow in Chemistry.</i>	2033 G St.
FRANK SMITH, A.M., <i>Assistant in English.</i>	2033 G St.
AGNES J. STOUT, A.B., <i>Sanders Fellow in Psychology.</i>	3530 Porter St.
DONALD L. VIVIAN, Ph.D., <i>Sanders Fellow in Chemistry.</i>	2033 G St.
CECIL THAYER WHITE, A.M., <i>Sanders Fellow in Economics.</i>	1724 I St.
FLOYD WIRSING, M.S., <i>Sanders Fellow in Chemistry.</i>	2033 G St.
VIRGINIA CORNELL WOODS, A.B., <i>Sanders Fellow in Mathematics.</i>	2033 G St.

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Elizabeth Clagett Clark, A.B., *Publications Assistant.*

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Martha Noyes, A.M., *Secretary to the Director of Women's Personnel Guidance.*
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Virginia Scott Ray, A.B., *Admissions Clerk*.

THE LIBRARY

John Russell Mason, A.M., *Associate Librarian*.
Helen Newman, LL.M., *Law Librarian*.
William Binford King, A.B., M.D., *Medical Librarian*.
Delight Randall Roth, *Assistant Librarian*.
Anna Virginia Appich, *Stenographic Clerk*.
Betty Hill Reavis, *Assistant in the Library*.
Martha Rowlett Schmidt, *Assistant in the Library*.
Catherine Breen, *Assistant Medical Librarian*.
Theodore Rinehart, *Assistant to the Law Librarian*.
Allen Drowns, *Assistant to the Law Librarian*.
Assistants—Lynda Stickles Edwards, Susan Stuart Gibson, Mary M. Lynch, Charles Herbert Miller, Louis Alexander Potter, Anna Laura Sanford.

THE MEDICAL DEPARTMENTS

- Jason Davis Byers, *Superintendent of the University Hospital.*
Francis Edward Thuney, *Assistant Superintendent of the Hospital.*
William Franklin Sheridan, A.B., *Assistant Curator in the Pathological Museum.*
Margaret Scruggs French, *Record Clerk, Hospital.*
Alice Keenan, *Clerk.*
Mary Elizabeth Lewallen, *Clerk in the Clinical Department.*
Ethel Markley, *Clerk, Hospital.*
Elizabeth Lindsay Smith, *Clerk, Hospital.*
Verna Day, *Clerk, Hospital.*
Mervin W. Glover, *Clerk, Hospital.*
Josephine McK. Green, *Stenographer.*
Verna E. Mitchell, *Stenographer.*

TECHNICAL ASSISTANTS

- Mary Philbrick, *Hospital Dietitian.*
Mattie Pinney, *Hospital Technician.*
Henry Parker Hill, *Hospital Pharmacist.*
Cayetano Nagac, *Technician, Department of Bacteriology and Pathology*
Greta Massey, *Assistant Hospital Dietitian.*
Laura Sophia Chaddock, R.N., *Laboratory Assistant, Hospital.*
Thomas Jackson Shivers, *Laboratory Assistant, Hospital.*
Espiridion Cubero, *Technician, Medical Museum.*

THE UNIVERSITY

HISTORY AND ORGANIZATION

HISTORY

The idea of a university located in the Capital of the Nation was sponsored by George Washington, who during his public life urged the establishment of such an institution and in his will left fifty shares of stock in the Potomac (Canal) Company for the endowment of a university to be established in the District of Columbia "to which the youth of fortune and talents from all parts thereof might be sent for the completion of their Education in all the branches of polite literature;—in arts and Sciences,—in acquiring knowledge in the principles of Politics & good Government."

In furtherance of that hope and project of the first President of the United States, this University, founded as Columbian College and now named The George Washington University, was established. The stock which General Washington willed toward such an institution became valueless owing to the failure of the canal properties, and it was necessary for "the College," established in the District of Columbia, to obtain funds from other sources.

In 1819 the Reverend Luther Rice, a Baptist missionary, had formed an association to buy land for the use of a college in the city of Washington. With General Washington's idea in mind, John Quincy Adams, Secretary of State of the United States; William H. Crawford, Secretary of the Treasury; John C. Calhoun, Secretary of War; William Wirt, Attorney General; and Return J. Meigs, Postmaster General, became patrons of the new college and, together with thirty-two members of Congress, contributed to a fund raised for the purchase of the land and the development of the work.

From this fund a tract of approximately forty-seven acres, "extending about one-half mile northwest of Boundary Street (Florida Avenue) between 14th and 15th Streets," was purchased, and Columbian College in the District of Columbia under the distinguished favor of James Monroe, President of the United States, and his Cabinet, was chartered by an act of Congress of February 9, 1821.

By 1822 the main building was completed sufficiently for use. Dr. William Staughton was elected first President of the institution. Two years later, when the first commencement was held on December 15, 1824, President Monroe, John Quincy Adams, John C. Calhoun, Henry Clay, and the Marquis de Lafayette headed the eminent company attending the exercises.

The School of Medicine, established in 1821, was formally opened in 1825 and has been in continuous operation since that time. In 1826 the Law School was organized, to be discontinued the following year and re-

established in 1865. It is the oldest law school in Washington and was the first school in the United States to establish a graduate course in law.

By an act of Congress of March 3, 1873, the name of the college was changed to "Columbian University," in recognition of the enlarged scope of the institution. The following year the establishment was moved down town from its first location on "College Hill," now Columbia Heights, to the new University Hall built for it at Fifteenth and H Streets. Near-by buildings accommodated the Medical and Preparatory Schools.

The University was removed by act of Congress of January 23, 1904, from the denominational control under which it had operated for the previous six years, and was provided with a self-perpetuating Board of Trustees empowered to change its name. In accordance with this act, the title of "The George Washington University" was adopted in the same year.

In 1930 a new plan of academic organization was effected, resembling in principle the master-apprentice relation of the old guild system. The University as it is now organized consists of a Junior College, comprising the work of the freshman and sophomore years; a Senior College, known as "Columbian College," which awards the Bachelor's and Master's degrees; a Council for Graduate Study; the professional Schools and Divisions; the Division of University and Extension Students; and the Summer Sessions.

GOVERNMENT

The government and general educational management of The George Washington University is vested in a self-perpetuating Board of thirty-three Trustees, with the President of the University an ex officio member. These thirty-three elected members of the Board are named for a period of three years and are divided into three classes of eleven members each. The members of one class are elected at each annual meeting to fill the places of the members whose terms of office expire. Two members of each class are nominated by the Alumni Association. "Persons of every religious denomination shall be capable of being elected Trustees."

ENDOWMENT

The endowment of The George Washington University, not including the value of buildings, grounds, and equipment, is \$1,485,197.83.

THE COLLEGES, SCHOOLS, AND DIVISIONS

The George Washington University offers courses in twelve Colleges, Schools, and Divisions, including the Junior College; Columbian College; the senior college of letters and sciences; the Graduate Council of the University; the School of Medicine, including the School of Nursing; the Law

School; the School of Engineering; the School of Pharmacy; the School of Education; the School of Government; the Division of Library Science; the Division of Fine Arts; the Division of University and Extension Students; and the Summer Sessions.

LOCATION

The George Washington University is located in the heart of the city of Washington, a short distance from the Potomac River and the Mall. Within a few blocks are the White House and most of the departments of the Government, including the Department of State, the Treasury Department, the War Department, the Navy Department, the Department of Justice, the Department of the Interior, the Department of Commerce, and the Department of Labor. The Civil Service Commission, the Corcoran Gallery of Art, the Pan American Union Building, and the National Academy of Sciences are also near by; and the Capitol and the Library of Congress can be reached by street car in a few minutes from any of the University buildings.

EDUCATIONAL FACILITIES

BUILDINGS

Buildings, grounds, and equipment are valued at \$2,950,000.

The buildings of the Junior College, Columbian College, the Graduate Council of the University, the Law School, the School of Engineering, the School of Pharmacy, the School of Education, the School of Government, the Division of Library Science, the Division of Fine Arts, and the Division of University and Extension Students, are grouped in the vicinity of Twenty-first and G Streets NW. The School of Medicine, the University Hospital, and the Dispensary are situated at Fourteenth and H Streets NW.

Administration Building, building A, 2100 G Street. The Offices of the President and Provost.

Woodhull Administration Building, building F, 2033 G Street. Named in honor of the late General Maxwell Van Zandt Woodhull, Trustee of the University and donor of the building. Offices of the Comptroller, the business offices, and the Faculty Club Room.

Architecture Building, building E, 2101 G Street. The Division of Fine Arts, including the Architecture Library, and drawing and lecture rooms.

Botany Building, building H, 2027 G Street. The Junior College and Columbian College administration offices; laboratories, classrooms, offices, and the library of the Department of Botany.

Corcoran Hall, building W, 725 Twenty-first Street. Named in honor of the late William W. Corcoran, benefactor of the University, President of the Corporation, and a member of the Board of Trustees from 1869 to 1888. The Council Room of the Board of Trustees, Assembly Hall, classrooms, and the chemical and accounting laboratories.

Education Building, building D, 2022 G Street. Office of the Dean of the School of Education, classrooms, Faculty offices, and student club rooms.

Engineering Laboratory, building V, Twenty-first and H Streets. Engineering testing laboratories, general laboratories, and classrooms.

Gymnasium, building R, 2010-12 H Street. Offices of the Department of Physical Education for Men and of the Athletic Director.

Hospital and Dispensary, 1339 H Street.

Lisner Hall, building J, 2023 G Street. Named in honor of Abram Lisner, benefactor of the University and member of the Board of Trustees. The General Library; office of the Secretary of the Graduate Council of the University; office of the Director of the Division of Library Science; Faculty offices; classrooms; the Electrical Engineering, Geology, and Physics laboratories; and the Fine Arts drafting rooms.

School of Medicine, 1335 H Street. Offices of the staff of the Medical School; lecture rooms and classrooms; Anatomy, Biochemistry, Clinical Chemistry, Biology and Embryology, Physiology, Pharmacology, and Bacteriology and Pathology laboratories; students' rooms; the Medical Library and Pathological Museum.

Nurses' Home, The Parkside, 1336 I Street. The residence of students in the School of Nursing.

Pharmacy Building, building T, 2020 H Street. Office of the Dean, lecture rooms, laboratories, and library of the School of Pharmacy.

Physical Education for Women, building S, 2014-16 H Street. Offices of the Department of Physical Education for Women.

Psychology Building, building B, 2026 G Street. Classrooms, office of the Department of Psychology, the psychological laboratory.

Registration Building, building G, 2033 G Street. Offices of the Registrar and the Director of Admissions.

Stockton Hall, building Q, 720 Twentieth Street. Named in honor of the late Rear Admiral Charles Herbert Stockton, President of the University from 1910 to 1918. The offices, lecture halls, and library of the Law School.

Women's Building, building M, 2009-11 G Street. Offices of the Director of Women's Personnel Guidance and the Employment Bureau, classrooms, and club rooms for women students.

Zoology Building, building I, 2025 G Street. Offices, laboratories, and classrooms of the Department of Zoology.

Zoology Laboratories, building N, 704 20th Street. Classrooms and the Zoological Research Laboratory.

Building K, 2017 G Street. Faculty offices and classrooms.

Building L, 2015 G Street. Faculty offices and classrooms.

Building O, 712 Twentieth Street. Training quarters for the men's athletic department.

Building Pa, 716 Twentieth Street. Offices of the Director of the Division of University and Extension Students, the Department of History, and the Department of Sociology.

Building Pb, 714 Twentieth Street. Offices and classrooms of the Department of Public Speaking.

Building U, 2024-26 H Street. Office of the Dean of the School of Engineering; Faculty offices and classrooms.

Building Z, 715 Twenty-first Street. Offices of the Dean of the Summer Sessions, the Alumni Secretary, and Student Publications.

THE UNIVERSITY LIBRARY

The University Library, which comprises the General Library, the various departmental and seminar libraries mentioned below, the Medical Library, and the Law Library, contains more than 92,000 volumes.

The General Library includes, in addition to the general collection, the library of the late Professor Richard Heinzel, of the University of Vienna, which contains 7,200 books and pamphlets in Germanic philology and literature and cognate branches; the library of the late Professor Curt Wachsmuth, of the University of Leipzig, which contains 7,900 books and pamphlets in Greek and Roman literature, archeology, and history; the Mount Vernon Alcove, which contains 4,000 volumes in political history, international law, and the social sciences; a representative collection of Spanish-American books, the gift of the Government of the Argentine Republic; and the Library of the Division of Fine Arts, which contains over 2,000 volumes, mainly on architecture, and the Russell Sturgis collection of 7,500 mounted photographs. About 1,000 of these latter volumes constitute a collection made available by the American Institute of Architects, to whom the Library is always accessible. The Fine Arts Library is located in building E, 2101 G Street, second floor.

The other departmental and seminar libraries are as follows:

Botany—building H, 2025 G Street

Chemistry—Corcoran Hall, fourth floor

Engineering—building U, room 11

Library Science—Lisner Hall, building J, room 29

Mathematics—building V, room 23

Pharmacy—building T, room 1

Physics—Lisner Hall, building J, room 22

Public Speaking—building P, rooms 31B and 33B (the Chauncey Mitchell Depew Public Speaking Library of approximately five hundred volumes, the gift of Mrs. Chauncey M. Depew)

Zoology—building H, 2025 G Street

The General Library is open from 8.45 a.m. to 10.30 p.m. each school day and from 3.00 to 9.00 p.m. on Sundays.

The Medical Library is open from 9.00 a.m. to 4.00 p.m., with a librarian in charge. It contains more than 2,700 volumes.

The Law Library, which contains more than 14,000 volumes, is open from 9.00 a.m. to 11.00 p.m. each school day and from 2.00 to 6.00 p.m. on Sundays.

OTHER LIBRARY FACILITIES

Students have access also to the Library of Congress; the Public Library of the District of Columbia and its branches; the Library of the Carnegie Endowment for International Peace; the Library of the Pan American Union; the Library of the Bureau of Railway Economics; the Library of the United States Department of Agriculture, with its scientific departmental collections; the Library of the United States Office of Education; the Army Medical Library; the Library of the Smithsonian Institution; and many of the other great special collections of the Government departments.

GOVERNMENTAL INSTITUTIONS ACCESSIBLE TO STUDENTS

In order to promote research and the diffusion of knowledge, the Congress of the United States has made the scientific resources of the Government accessible to students under the terms of the following joint resolution, approved April 12, 1892:

Resolved by the Senate and House of Representatives of the United States of America in Congress assembled, That the facilities for research and illustration in the following and any other governmental collections now existing or hereafter to be established in the city of Washington for the promotion of knowledge shall be accessible, under such rules and restrictions as the officers in charge of each collection may prescribe, subject to such authority as is now or may hereafter be permitted by law, to the scientific investigators and to students of any institution of higher education now incorporated or hereafter to be incorporated under the laws of Congress or of the District of Columbia, to wit:

1. Of the Library of Congress.
2. Of the National Museum.
3. Of the Patent Office.
4. Of the Bureau of Education.
5. Of the Bureau of Ethnology.
6. Of the Army Medical Museum.
7. Of the Department of Agriculture.
8. Of the Fish Commission.
9. Of the Botanic Gardens.
10. Of the Coast and Geodetic Survey.
11. Of the Geological Survey.
12. Of the Naval Observatory.

HOURS OF INSTRUCTION

There are both morning and late afternoon sections in most courses of instruction, and many other courses are given in the morning and in the late afternoon in alternate years; thus students may take work during the forenoon and early afternoon or in the period between 5.10 and 7.00 p.m. according to their convenience. By taking the late afternoon, or the late afternoon and summer courses, and by extending the time of study beyond the customary four years, a student able to give only part time to college work may complete a curriculum and obtain a degree.

The courses of instruction, with the hours when the courses are offered, are listed in alphabetical order beginning on page 239.

ADMISSION

All departments of the University are open to men and women.

Students may enter the Junior College, Columbian College, the Graduate Council of the University, the School of Engineering, the School of Education, the School of Government, the Division of Library Science, and the Division of University and Extension Students at the beginning of either semester or either of the summer terms. For the time of admission to the School of Medicine, the Law School, the School of Pharmacy, and the Division of Fine Arts, see the announcements of the Schools.

REQUIREMENTS

The requirement for admission to the freshman class of the Junior College, the School of Engineering, and the School of Pharmacy, is a certificate of graduation from a four-year high-school course (or its equivalent) amounting to at least fifteen "units." A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. It includes in the aggregate not less than 120 sixty-minute hours of prepared classroom work. The studies prescribed for entrance to the several Schools and Divisions are listed under the admission requirements for each School.

Applicants for admission with advanced standing are required to present certificates of standing and honorable dismissal from the school or college last attended. Credit in accordance with the rules of the various Schools and Divisions may be given for properly certified courses of study in accredited colleges and universities.

For the requirements for admission to Columbian College, the Graduate Council of the University, the School of Medicine, the School of Nursing, the Law School, the School of Education, the School of Government, the Division of Library Science, and the Division of Fine Arts, see the announcements of the Schools.

The University reserves the right to refuse admission to any student whose preparatory work has been of such grade as to create doubt of his ability to pursue college work successfully, or who for any other reason would not be a desirable student.

METHODS OF ADMISSION

Candidates for admission may present certificates of admission or take entrance examinations.

CERTIFICATES

Certificates will be accepted from accredited schools subject to the following conditions: (1) If the school is accredited by the Regional Asso-

ciation, the student must have attained a rank not lower than the fourth fifth of his class. (2) If the school is not on the Regional Association list, but has been accredited by the State Accrediting Agency, the student shall be required to have attained a rank in the upper fifth of his class; if he has attained a rank below this, College Entrance Board Examinations or the George Washington University Entrance Examinations will be required for admission.

All certificates must give in detail the grades obtained by the student, must specify the passing grade, the certifying grade, the rank of the applicant in his graduating class, with the number in the class, and must contain definite recommendations from the principal in regard to admission to college. The Director of Admissions will, on application, furnish certificate blanks to the principals of such schools. All records shall be certified on the blank provided by the University and must come directly to the Director of Admissions from the school concerned.

COLLEGE ENTRANCE BOARD EXAMINATIONS

Candidates for admission who furnish certificates of graduation from unaccredited high schools will take the examinations in the entrance subjects offered by the College Entrance Examination Board. An applicant who fails to pass in at least fifteen units in the entrance examination may not be admitted.

The examinations of the College Entrance Examination Board are held each spring in Washington and other centers. These examinations will be given in Washington at The George Washington University, September 21-26, inclusive, 1931, and June 15-20, inclusive, 1932. Applications for examinations should be addressed to the College Entrance Examination Board, 431 West 117th Street, New York City.

Students planning to take College Entrance Board examinations should secure the definitions of requirements in subjects as published by the Board.

GEORGE WASHINGTON UNIVERSITY ENTRANCE EXAMINATIONS

Candidates for admission who present certificates of graduation from accredited schools but who have not attained the required rank in class, as described above, may request permission to take the George Washington University Entrance Examinations. Each applicant who satisfactorily passes these examinations will be admitted to the College, School, or Division of the University for which he or she is eligible.

There are two George Washington University Entrance Examinations: (1) A psychological college-ability examination. (2) An examination covering the principal high-school or preparatory-school subjects (English, History, Science, and Mathematics).

The George Washington University Entrance Examinations will be

given for each session on the following dates: first semester 1931-32, Wednesday, September 23, 1931, beginning at 9.00 a.m.; second semester 1931-32, Saturday, January 30, 1932, beginning at 9.00 a.m.

ENTRANCE UNITS ACCEPTED

Below are listed the subjects which may be presented to meet the entrance requirements of this University. The general scope of the requirements of each subject is determined by the College Entrance Examination Board for its examinations and by the authorities of accredited secondary schools. The number following each subject indicates the maximum number of units of credit ordinarily allowed for that subject.

ENGLISH.....	4
HISTORY	
Ancient.....	1
Medieval European.....	1
Modern European.....	1
English.....	1
American.....	$\frac{1}{2}$ to 1
American History and Civics.....	1
LANGUAGES (French, Italian, German, Spanish, Greek, Latin)	
First and second year.....	2
Third and fourth year.....	2
MATHEMATICS	
Algebra.....	$2\frac{1}{2}$
Plane Geometry.....	1
Solid Geometry.....	$\frac{1}{2}$
Plane Trigonometry.....	$\frac{1}{2}$
SCIENCES	
Biology.....	1
Botany.....	1
Chemistry.....	1
Physics.....	1
Zoology.....	1
ADDITIONAL SUBJECTS	
Commercial Subjects.....	4
Domestic Science.....	2
Drawing.....	2
Economics.....	$\frac{1}{2}$
Geography.....	1
Music (theory and history).....	2
Physiology.....	1
Shop Work.....	2

Credit may be allowed also in other accredited secondary-school subjects.

CONDITIONS

A graduate from an approved high school who does not have the proper distribution of subjects to meet the prescribed units may be admitted, on condition, to courses other than the premedical courses, if such irregularity is in not more than two units.

All conditions must be removed by the end of the freshman year (completion of thirty semester-hours of work).

CLASSIFICATION OF STUDENTS

REGULAR STUDENTS

Regular students are those who have met all the entrance requirements for candidates for degrees and have been regularly assigned class standings as freshmen, sophomores, juniors, or seniors.

UNIVERSITY AND EXTENSION STUDENTS

Persons of mature age, as specified in the rules of the Division of University and Extension Students, may be admitted to that Division to pursue courses for which they have had adequate preparation. See the announcement of the Division of University and Extension Students.

AUDITORS

In special instances, with the permission of the instructor, a person may register as an auditor in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance. See the announcement of the Division of University and Extension Students.

STUDENTS WITH LIMITED SCHEDULES

In all Schools and Divisions of the University, except the School of Medicine, the School of Nursing, and the School of Pharmacy, the class hours are so arranged that students who can give only part of their time to college work may, by extending the period of their college work beyond the customary four years, complete curricula and receive degrees.

REGISTRATION

Before a student may be admitted to registration he must have satisfied the Admissions Office that he is qualified for entrance to the University (see "Admission," above).

Registration is for the semester unless otherwise indicated on the registration paper; no registration is accepted for less than a semester or one summer term.

TIME AND PLACE OF REGISTRATION

Registration for the first semester in the Junior College, Columbian College, the Graduate Council of the University, the School of Engineering, the School of Pharmacy, the School of Education, the School of Government, the Division of Library Science, the Division of Fine Arts, and the Division of University and Extension Students will be conducted from September 19 to 22, inclusive. Registration for the second semester in these Schools and Divisions will be conducted on February 8 and 9. Registration will be conducted in Corcoran Hall, 725 Twenty-first Street N.W., from 9.00 a.m. to 12, and from 2.00 to 6.00 p.m.

For dates of registration and method of procedure in the School of Medicine, the Law School, and the Summer Sessions, consult the announcements of those Schools. Registration for the School of Medicine is conducted in the Medical School Building, and for the Law School in Stockton Hall.

REGISTRATION PROCEDURE

Instructions for registration will be issued to each registrant at the time of registration. A student who has previously matriculated in the University but who has not been in attendance during the semester prior to registration, should file an application blank in advance of registration.

LATE REGISTRATION

For registration after September 22 in the first semester, and after February 9 in the second semester, a late-registration fee of \$5.00 will be charged. Registration in all courses for credit closes on October 6 for the first semester, and on February 23 for the second semester.

CHANGE IN REGISTRATION

Application for a change in registration should be filed in the office of the Dean or the Director. Change may be made only with the permission of the adviser or major professor and the Dean of the School or the Director

of the Division concerned. A fee of \$2.00 is charged for each change in program after the last day of regular registration (see "Time and Place of Registration," above).

CHANGE OF COLLEGE

Students desiring to transfer from one College or Division to another should make application to the Dean of the School or College or the Director of the Division to which transfer is desired. Such change may be made only at the beginning of a semester and with the approval of both Deans concerned and the Director of Admissions.

CHANGE OF MAJOR

Students desiring to change their major subjects should make application to their Dean or Director. In making such change all requirements specified in the course of study to which the change is made must be satisfied before graduation.

FEES

By authorization of the Board of Trustees, the following fees have been adopted, effective at the beginning of the academic year 1931-32:

UNIVERSITY FEE

For all students for each semester or for any part thereof,	\$ 8.00
For the Summer Sessions.	4.00

TUITION FEES

The Junior College, Columbian College, the School of Engineering, the School of Education, the School of Pharmacy, the School of Government, the Division of Library Science, the Division of Fine Arts, the Division of University and Extension Students, and the Summer Sessions:

For each semester-hour credit of courses taken.	8.00
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The School of Medicine:

For all students, per annum.	450.00
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The Law School:

For each semester-hour credit of courses taken.	8.00
Minimum charge for one semester.	24.00

The Graduate Council of the University:

For regular candidates for the Ph.D. degree, per annum. (When a student carries a limited schedule, the Dean will adjust the proportionate fee for the year.)	240.00
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Special Course Tuition Fees:

Zoology 145, Bacteriology.	60.00
Zoology 146, Clinical Microscopy and Parasitology.	40.00
Zoology 148, Pathology and Pathologic Technique.	40.00

EXAMINATION FEES

In the Junior College and Columbian College, for examinations to qualify for advanced courses. In the School of Engineering, the School of Education, the School of Pharmacy, the School of Government, the Division of Library Science, and the Division of Fine Arts, for special examinations. In the School of Medicine, for make-up for absence from regular examination, for make-up after failure, and the September pre-session examination. In the Law School, for special examinations.

For each subject.	5.00
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GRADUATION FEES

Graduation fee, wherein a degree is granted.	20.00
Wherein a certificate is granted.	10.00

FEE FOR THE PROFESSIONAL THESIS IN THE SCHOOL OF ENGINEERING.	50.00
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FEE FOR PRINTING AND FILING SUMMARY OF DOCTORAL THESIS.	50.00
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SPECIAL FEES

Late-registration fee, charged all students who fail to register within the designated period.....	\$5.00
Reinstatement fee, charged students who are reinstated after being suspended for delinquency in fees.....	5.00
Change fee, for each change in program after registration....	2.00

LABORATORY FEES AND DEPOSITS

Laboratory fees are charged in each course listed below, as indicated. Material fees are charged by the semester and may be paid in three instalments when the tuition is paid in this manner. Breakage deposits, Beaux Arts registration fees, and microscope rentals are charged by the year and are due in full at the time of registration. Breakage of apparatus is charged against the individual student, and the amount paid in excess of breakage will be returned at the end of the year.

ANTHROPOLOGY

Material fee, a semester:

Anthropology 101-2, 121-22.....	\$ 3.00
Anthropology 231-32.....	0.00

ARCHITECTURE

Drawing room fee, a semester:

Architecture 1, 3, 4, 25-26, 123-24, 141-42.....	3.00
Architecture 27-28, 125-26, 127-28.....	6.00

Beaux Arts registration fee, for one or more of the following:

Architecture 27-28, 125-26, 127-28, annually.....	15.00
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BOTANY

Material fee, a semester:

Botany 1-2.....	4.50
Botany 115-16.....	9.00

CHEMISTRY

Material fee, a semester:

Chemistry 51-52.....	4.50
Chemistry 111-12.....	6.00
Chemistry 3-4, 5-6, 21-22, 35-36, 223-24, 225-26.....	9.00
Chemistry 23, 41-42, 121-22, 135-36, 143-46, 151-52.....	12.00

Breakage deposit, per annum:

Chemistry 3-4, 5-6, 35-36, 51-52, 111-12, 135-36.....	15.00
Chemistry 21-22, 23 and 122, 41-42, 121-22, 145-46, 151-52, 223-24, 225-26.....	20.00

Chemistry 297-98, all fees by special arrangement.

CIVIL ENGINEERING

Drafting room fee, a semester:

Civil Engineering 41, 42, 43-44, 150, 182, payable in advance.....	1.00
Civil Engineering 147-48.....	3.00

Laboratory fee, a semester:

Civil Engineering 14, 149.....	6.00
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Surveying fee, a semester:

Civil Engineering 71-72.....	3.00
Civil Engineering 2, 101.....	6.00

ELECTRICAL ENGINEERING

Laboratory fee, a semester:

Electrical Engineering 13-14, 17-18, 133-34..... \$6.00

Drafting room fee:

Electrical Engineering 140, payable in advance..... 1.00

GEOLOGY

Material fee, a semester:

Geology 11-12..... 6.00

GRAPHIC ART

Drawing room fee, a semester:

Graphic Art 1-2, 3-4, 5-6, 7-8, 25-26, 101-2, 103-4, 105, 108, 131-32,
133-34..... 3.00

Graphic Art 27-28, 125-26, 127-28..... 6.00

HOME ECONOMICS

Material fee, a semester:

Home Economics 3, 3X, 101, 102..... 9.00

Home Economics 23, 23X, 51, 51X, 72, 140, 152, 160, 171..... 3.00

LIBRARY SCIENCE

Material fee, a semester:

Library Science 101-2, 121-22, 133-34, 135, 136..... 3.00

MECHANICAL ENGINEERING:

Drafting room fee, a semester:

Mechanical Engineering 3, 4, 7-8, 127-28..... 3.00

Laboratory fee, a semester:

Mechanical Engineering 115-16..... 6.00

MEDICINEMaterial and microscope fee, first-, second-, and third-year students, per
annum.....

15.00

Breakage deposit, all students, per annum..... 10.00

PHARMACY

Material fee, a semester:

Pharmacy 3-4, 61-62, 65-66, 153, 154, 155..... 6.00

Pharmacy 181-82..... 12.00

Breakage deposit, per annum:

Pharmacy 3-4, 61-62, 153, 154, 155..... 10.00

Pharmacy 181-82..... 20.00

PHYSICS

Material fee, a semester:

Physics 11, 12, 13..... 4.50

Physics 112, 115, 116, 123-24..... 6.00

PSYCHOLOGY

Material fee, a semester:

Psychology 119, 119X..... 3.00

Psychology 191-92..... 6.00

PUBLIC SPEAKING

Material fee, a semester:

Public Speaking 151-52..... \$6.00

ZOOLOGY

Material fee, a semester:

Zoology 74, 137, 140, 151-52..... 4.50

Zoology 1, 186..... 6.00

Zoology 2, 138, 156..... 9.00

Breakage deposit, per annum:

Zoology 1 and 2, 137 and 138, 145 and 146, 148, 151-52, 156..... 10.00

Zoology 74, 140..... 5.00

FINANCIAL REGULATIONS

PAYMENT OF FEES

All fees are payable at the Office of the Comptroller, 2033 G Street NW., or in the case of fees in the School of Medicine, to the Comptroller's Assistant, 1335 H Street NW.

No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each semester are due and payable in advance, at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, students registering for more than three semester-hours may sign contracts for semester charges, except for the University fee, permitting instalment payments as follows:

First semester—one third at the time of registration, plus the University fee; one third on November first; one third on December first.

Second semester—one third at the time of registration, plus the University fee; one third on March first; one third on April first.

Students registering for three hours or less are not privileged to sign contracts for instalment payments.

Students who fail to meet instalment payments by the sixteenth of the month will be suspended and may not attend classes until they have paid all accrued fees, a reinstatement fee of \$5.00, and have been officially reinstated. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean of the School or Director of the Division in which the student is registered.

No student may register in any department of the University who owes fees in any other department of the University.

Auditors pay all fees chargeable to students registered for credit except the late-registration fee.

REFUNDS

No part of an instalment payment shall be returnable. In no case will tuition be reduced or refunded because of non-attendance upon classes.

WITHDRAWALS

All applications to withdraw, in order to receive prompt financial adjustment, must be in the hands of the Dean before the end of the period for which payment has been made.

No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record.

In authorized withdrawals all financial adjustments will be made on the principle of the three instalments a semester.

FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOANS

FELLOWSHIPS

The following fellowships are available in the University. Forms on which to make application for these fellowships will be supplied, on request, by the Registrar of the University. Having been properly filled out they should be submitted for consideration not later than March 1 of any year for the academic year beginning the following September.

Isabella King Research Fellowship. A fellowship of the value of \$1,200 annually is offered in Biology. It is open to candidates holding the Bachelor's degree and is intended to foster research for which the libraries and scientific establishments in Washington offer special facilities.

Thomas Bradford Sanders Fellowships. These fellowships and scholarships were established by Miss Addie Sanders in memory of her late brother, Thomas Bradford Sanders. They are offered in the following departments, each with a stipend of \$600 in addition to tuition:

Architecture, one fellowship; Chemistry, four fellowships; Economics, one fellowship; English, one fellowship; History, three fellowships; Physics, two fellowships; Psychology, two fellowships.

SCHOLARSHIPS

Student scholarships are administered by the University Committee on Student Loans and Scholarships. Application for scholarships must be made on forms which may be obtained from the Registrar of the University and must be filed in the Office of the Registrar not later than May 15 preceding the academic year for which the scholarship is to be awarded; or, in the case of awards for the second semester, not later than January 1.

Scholarships are awarded for one year, unless otherwise specified. They may be renewed.

Further information may be obtained from the Registrar of the University.

Byron Andrews Scholarships. Two scholarships in the amount of \$100.00 each, founded by Mrs. Belle Fisk Andrews in memory of her husband, the late Byron Andrews, are available "for ambitious and needy students, who desire to pursue courses in English, Latin, Journalism, History, Literature, or Political Science."

Henry Harding Carter Scholarships. These four scholarships, founded by Mrs. Maria M. Carter in memory of her husband, Henry Harding

Carter, are of the annual value of \$50.00 each and may be awarded to deserving students who are preparing for the civil engineering profession.

Maria M. Carter Scholarship. This scholarship, in the amount of \$40.00 to be awarded annually to a young man, was given to the University in 1871 by Mrs. Maria M. Carter.

Citizens' Military Training Camps Scholarship. The University awards each year, through the Citizens' Military Training Camps of the Third Corps Area, a scholarship carrying tuition (this does not include the University fee, laboratory fees, or deposits) for one year in any one of the undergraduate departments. The award is made on the recommendation of the Camp officers.

Isaac Davis Scholarship. This scholarship, in the amount of \$40.00 to be awarded annually, was given to the University in October, 1869, by the Honorable Isaac Davis, Governor of Massachusetts. Nominations for the scholarship may be made "by the founder or his eldest lineal descendant." In case no such nomination is made, the scholarship is to be awarded by the University.

Robert Farnham Scholarship. This scholarship, in the amount of \$40.00 to be awarded annually to a student in Columbian College, was given to the University in 1871 by Mrs. Robert Farnham.

Elma Lewis Harvey Scholarship. This scholarship, of the annual value of \$200.00, was founded in 1921 by Mrs. Emma Elizabeth Harvey, in memory of her daughter, and is to be awarded every four years, or as often as vacant, to a young woman student in Columbian College of the Protestant faith and of the Caucasian race who shall be selected for scholarship and moral qualifications.

High-school Scholarships. High-school Scholarships are awarded annually, on the recommendation of the faculties of the respective high schools, to a member of the graduating class who intends to enter one of the undergraduate Schools or Divisions of the University. Students holding these scholarships must maintain a *B* average and a high standard of deportment during their tenure.

The holders of High-school Scholarships are exempt from tuition fees, the Summer Sessions excepted, but pay the University, laboratory, graduation, and other fees. The scholarships shall be valid for four continuous academic years following the award, subject to all the conditions stated herein. To hold any High-school Scholarship a student must carry a full program of study, a full program being defined as at least fifteen semester-hours of work, unless otherwise determined in individual cases by the Committee on Student Loans and Scholarships upon recommendation of the Dean of the School or College concerned.

The Amos Kendall Scholarship, founded by the late Honorable Amos Kendall, is assigned for award to the Central High School, Washington, D. C.

Seven University scholarships are assigned for award to the following schools: Business, Eastern, McKinley, and Western High Schools of the District of Columbia; the Alexandria (Virginia) High School; the Bethesda-Chevy Chase (Maryland) High School; and the Washington-Lee (Virginia) High School.

John Hitz Metzerott Scholarship. This scholarship in the amount necessary to cover tuition charges, exclusive of special fees, was established in 1923 in memory of John Hitz Metzerott, M.D. '91, by members of his family, and is to be awarded every six years, or as often as vacant, to a young man preparing to enter the medical profession. The donors reserve the right to nominate the holder of this scholarship. The holder of the scholarship may be a student pursuing a premedical course in Columbian College or the professional course in the School of Medicine.

A. Morehouse Scholarship. This scholarship was founded by Mr. A. Morehouse, of Washington, D. C., in 1861. It carries an annual stipend of \$60.00 available for an undergraduate intending to enter the Christian ministry.

The David Spencer Scholarship. This scholarship, in the amount of \$450, established in 1918 by Louisa J. Spencer, is available to the descendants of David and Elizabeth Spencer under conditions stated in the bequest.

The Mary Lowell Stone Scholarship. This scholarship, founded in 1893 in memory of Mary Lowell Stone, is in the amount of \$80.00 to be awarded annually to a woman student of science in Columbian College.

William Walker Scholarship. This scholarship was founded in 1824 by William Walker, Esq., of Putnam County, Georgia. It carries an annual stipend of \$100.00 available for an undergraduate intending to enter the Christian ministry.

John Withington Scholarship. This scholarship was founded in 1830 by the New York Baptist Theological Seminary, to be known as the Withington Scholarship. It has an annual stipend of \$60.00.

Ellen Woodhull Scholarship. This scholarship was founded by the late Ellen M. E. Woodhull and is in the amount of \$25.00 to be awarded annually to a student in Columbian College.

COLUMBIAN WOMEN SCHOLARSHIP FUNDS

Columbian Women Scholarships, granted under any of the funds herein-after described, are awarded by the Scholarship Committee of Columbian

Women. Applications for Columbian Women Scholarships should be addressed to the Chairman of the Scholarship Committee, Columbian Women, The George Washington University, Washington, D. C., not later than May 15 preceding the academic year for which the scholarship is to be awarded; or in case of awards for the second semester, not later than January 1.

Nellie Maynard Knapp Scholarship Fund. A fund of \$5,000 was established in 1915 by the Columbian Women in memory of a former president, Mrs. Martin A. Knapp, to provide scholarships for women.

Founders of Columbian Women Scholarship Fund. The income from this fund of \$5,000, established in 1920 by the Columbian Women, may be assigned for scholarships.

Lillian Young Herron Scholarship Fund. The income from this fund of \$5,000, which was established by the Columbian Women in 1925 and named in 1930 in memory of a former president, is available for scholarships.

Elizabeth V. Brown Scholarship Fund. This fund of \$1,200 was established in 1925 by the College Women's Club of Washington, D. C., in memory of the late Elizabeth V. Brown. The scholarship granted thereunder is available for a woman student in the School of Education.

College Women's Scholarship Fund. The income from this fund of \$500, established in 1926 through the courtesy of the College Women's Club of Washington, D. C., is available for a scholarship.

Lewes D. and Myrtie H. Wilson Memorial Scholarship Fund. This fund of \$1,000 was established by Miss Elizabeth Wilson in 1926 as a memorial to her parents, Lewes D. and Myrtie H. Wilson. The income is available for a scholarship in the School of Medicine.

PRIZES

Alpha Chi Sigma Prizes. Alpha Pi Chapter of Alpha Chi Sigma Fraternity offers annually the following prizes:

A "Handbook on Chemistry and Physics" is awarded to each of the three male students who carry at least eighteen semester-hours during the freshman year and attain the highest averages in freshman Chemistry.

The fraternity shall have engraved on a bronze plaque in the chemical laboratory the name and year of graduation of the graduating male student who has attained the highest quality-point index in Chemistry subjects, exclusive of the work of the final semester, provided that he has completed the requirements for a major in Chemistry and has done three fourths of this work in The George Washington University.

Alpha Delta Pi Prize. Alpha Pi Chapter of Alpha Delta Pi Fraternity offers an annual prize of \$10.00 to the student doing the best work in third-year French.

Alpha Delta Theta Prize. A prize of \$10.00 is offered annually by Alpha Delta Theta Sorority to the woman student who maintains the highest average in Chemistry 3-4 or 5-6.

Chi Omega Prize. Phi Alpha Chapter of Chi Omega Fraternity offers annually a prize of \$25.00 to be awarded to the woman student in the graduating class with the highest record in the Social Sciences combined with general excellence. The Social Sciences include Economics, Sociology, Political Science, and History.

Colonial Dames Prize. The Society of the Colonial Dames of America, Chapter III, offers annually a gold medal for general excellence in Colonial History as shown by class standing and special essays.

E. K. Cutter Prize. The E. K. Cutter Prize in English was founded by the late Marion Kendall Cutter "for excellence in the study of English." An annual prize of \$40.00 will be awarded to the member of the graduating class whose record in English, combined with general excellence, shows most marked aptitude and attainment in English studies.

Daughters of the American Revolution Prize. This prize, founded by the Daughters of the American Revolution of the District of Columbia, consists of a gold medal, awarded annually to a woman student in Columbian College, the School of Government, or the School of Education who, having maintained a high standing in the several courses in History offered by the University, shall produce the best essay on American history of the period between 1774 and 1788.

Davis Prizes. The Davis Prizes were founded by the Honorable Isaac Davis, of Massachusetts, in 1847, and they are awarded annually to such members of the Senior Class as shall have made the greatest progress in Public Speaking since their connection with the University. The prizes are in gold, as follows: first prize, \$15.00; second prize, \$10.00; third prize, \$5.00.

The Davis Prize Speaking is held on the second Tuesday after the Easter holidays. The award of these three prizes is determined by a public speaking contest in which the participants deliver original orations. Only members of the Senior Classes are eligible to compete. Students wishing to enter the competition should report to the Executive Officer of the Department of Public Speaking not later than five weeks before the contest and submit their orations not later than three weeks before the contest. The prizes are awarded by a committee of three members, appointed by the Department of Public Speaking.

Delta Sigma Rho Prize. Delta Sigma Rho offers annually a cup to be awarded to the winning fraternity or sorority team in the Intramural Debate.

Delta Tau Delta Activity Prize. Gamma Eta Chapter of Delta Tau Delta Fraternity awards each year a gold medal to "that member of the senior class who throughout his course at The George Washington University has done the most constructive work in the furtherance and upbuilding of the University Student Activities."

Delta Zeta Prize. Delta Zeta Sorority offers annually a prize of \$10.00 in gold to be awarded to the student maintaining the highest average in General Botany.

Ellsworth Prize. The Ellsworth Prize of \$25.00 in gold, offered by Mr. Fritz v. Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice.

Elton Prize. The Elton Prize, founded by the Reverend Romeo Elton, D.D., of Exeter, England, consists of \$10.00 in gold awarded annually to the senior student having the highest average in Greek language and literature.

Willie E. Fitch Prize. The Willie E. Fitch Prize for highest excellence in all branches of Chemistry, founded by James E. Fitch, Esq., in memory of his son, consists of \$40.00 which is awarded annually to a senior student for the best general examination in Chemistry.

Edward Carrington Goddard Prize. This prize, consisting of a gold medal, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D. C., in memory of Edward Carrington Goddard, class of '81, and is awarded to the junior or senior student making the highest average in the French language and literature.

James Douglas Goddard Prize. This prize, consisting of a gold medal, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D. C., in memory of James Douglas Goddard, class of '01, and is awarded to the senior student making the highest average in Pharmacy.

Morgan Richardson Goddard Prize. This prize, consisting of a gold medal and \$25.00 in gold, was founded in 1924 by Mary Williamson Goddard, Alice Douglas Goddard, and Frederick Joseph Goddard, of Georgetown, D. C., in memory of Morgan Richardson Goddard, and is awarded to the junior or senior student making the highest average in Commerce.

Samuel Herrick Prize. A prize of \$25.00, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class in the Law School (excepting the winner of the John Bell Lerner gold medal), who has attained the highest average grade in the work of the third year.

Gardiner G. Hubbard Memorial Prize. This is a prize in American History established by Mrs. Gertrude M. Hubbard in memory of her husband, the late Gardiner G. Hubbard. The prize in the amount of \$40.00 is awarded annually to that member of the graduating class who has during four years maintained a high standing in the several classes in History and who has produced the best essays upon subjects based upon a study of some assigned period of American history.

Henry E. Kalusowski Prizes. The District of Columbia Retail Drug-gists' Association offers three prizes in Pharmacy: \$25.00 to the student having the highest average in all subjects at the end of the first year; \$35.00 to the student having the highest average in all subjects at the end of the second year; and \$50.00 to the student having the highest average in all subjects at the end of the third year.

Kappa Delta Prize. Kappa Delta Sorority offers annually a silver loving cup to that girl of the Freshman Class who, in her first year, attains the highest scholastic average in not less than twenty-four semester-hours of work.

Kappa Kappa Gamma Prize. Kappa Kappa Gamma Sorority offers annually a gold medal for excellence in Botany. This is awarded to the best full-time freshman in Botany 1-2.

John Bell Lerner Prize. A gold medal donated by Mr. John Bell Lerner, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws.

John Ordronaux Prizes. These two prizes were established in 1909 by the bequest of John Ordronaux.

The amount of \$100.00 is awarded to the member of the graduating class in the School of Medicine who has the highest scholastic standing.

The amount of \$50.00 is awarded annually to the student in the Law School who has attained the highest average grade in the first year, full-time, regular course; and \$50.00 to the student who has attained the highest average grade in the second year, full-time, regular course.

Phi Delta Prize. Zeta Chapter of Phi Delta Sorority offers annually a gold medal to the outstanding freshman student in Elementary Zoology.

Pi Beta Phi Prize. A prize of \$20.00 in gold is awarded annually by the District of Columbia Alpha Chapter of Pi Beta Phi Fraternity to that woman member of the Senior Class who throughout her college course has done the most constructive work in the promotion of student activities among the women of the University.

Ruggles Prize. The Ruggles Prize, founded by Professor William Ruggles, LL.D., in 1859, consists of \$20.00 in gold awarded annually to a student in Columbian College for excellence in Mathematics.

Scarab Prizes. The Scarab Fraternity awards each year to students in the Division of Fine Arts a bronze medal for the best class B project; a silver medal for the best class A and B Archeology; a silver medal for the best class A project.

Sigma Kappa Prizes. Zeta Chapter of Sigma Kappa offers the following prizes:

An annual prize of a set of books of the value of \$10.00 is awarded to the student passing the best examination in the year's work in English Rhetoric.

A prize of \$10.00 is awarded to the student who passes the best examination in freshman Chemistry.

Sigma Tau Prize. Xi Chapter of Sigma Tau offers annually a gold medal to the freshman in the School of Engineering who maintains the highest scholastic standing throughout the year.

Staughton Prize. The Staughton Prize, for excellence in the Latin language and literature, founded by the Reverend Romeo Elton, D.D., of Exeter, England, consists of \$10.00 in gold, annually awarded to the senior student making the best record in this language.

James Macbride Sterrett, jr., Prize. This prize, founded by the late Professor James Macbride Sterrett in memory of his son, consists of a gold medal awarded annually to that student who obtains the highest average in the course in General Physics.

Thomas F. Walsh Prize. This prize, established by Thomas F. Walsh, Esq., of Colorado, consists of a gold medal awarded annually to that student of the graduating class who, having maintained a high standard in the several courses in History, shall produce the best essay upon a designated period of the history of England in its association with the history of Ireland.

Alexander Wilbourne Weddell Prize. From a fund established by a gift of Mrs. Virginia Chase Weddell, an annual prize of \$200.00 is awarded to a student of the University, who is registered for a degree, for the best essay

on the subject of "the promotion of peace among the nations of the world." The prize essays shall become the property of the University and shall not be printed or published without the written consent of the University. The University reserves the right to withhold the award if no essay attaining the required degree of excellence is submitted.

Women's Athletic Association Prize. A cup is awarded annually to the member of the graduating class who has done most in the furtherance of athletics for the women in the University.

LOAN FUNDS

Loan funds are administered by the University Committee on Student Loans and Scholarships. Applications upon the required forms should be filed in the Office of the Registrar at least ten days before the first day of registration, in the case of the University Loan Fund, and at least two weeks before, in the case of loans from other sources. Loans will be limited to the amount required for tuition in each case.

Borrowers will sign notes for the amount borrowed. The terms of repayment of interest and principal will be arranged at the time of making the loan.

No candidate shall be approved for graduation by any Faculty of the University if they have knowledge that the student is delinquent in a loan obligation incurred for educational purposes either at The George Washington University or elsewhere.

University Student Loan Fund. The Trustees of The George Washington University have established a loan fund amounting to \$5,000.

American Bankers' Association Loan Scholarship. The Educational Foundation of the American Bankers' Association has established a loan scholarship of \$250.00 for the year 1931-32. Loans are limited to students taking courses in classes of junior or higher grade in Banking and Economics and who are dependent for their education either in part or wholly upon their own efforts.

Daughters of the American Revolution Loan Fund. The District of Columbia Daughters of the American Revolution have established a revolving student loan fund, from which interest-bearing loans will be made to the daughters of members of the Daughters of the American Revolution in the District of Columbia. At present the fund amounts to \$2,854.22.

Harmon Foundation Loan Fund. The Harmon Foundation has established a fund of \$1,000 to be loaned to students of junior grade or above in courses leading toward a degree in the liberal arts or one of the professions. Loans are limited to students who are citizens of the United States and whose means of education are dependent either in part or wholly upon their own efforts.

The Henry Strong Educational Foundation. The Henry Strong Educational Foundation, established at Chicago under the will of General Henry Strong, makes an annual allotment to the University of \$540 for loan scholarships, available for use of men and women students under the age of twenty-five years, preferably in the upper classes, possessing not only zeal for leadership but also character and those traits tending to leadership, to aid them in obtaining a practical, literary, scientific, mechanical, or business education. The amount available for the year 1931-32 is \$1,500.

Henry Strong-William A. Maury Loan Fund. This fund, amounting to \$500.00 a year, is also allocated from the funds of the Henry Strong Educational Foundation, to be loaned to students in The George Washington University Law School.

The Knights Templar Educational Loan Fund. This fund is contributed and administered by the Grand Commandery of Knights Templar of the District of Columbia and is available for loans to students, preferably in the upper classes. The amount loaned to a student is limited to \$200.00, and the terms of repayment are specially arranged in each instance by the Loan Committee of the Knights Templar.

REGULATIONS

ATTENDANCE

Students are not permitted to attend classes until registration has been completed and fees due have been paid. Regular attendance is required except in the case of students registered for courses under the Independent Study Plan. For undue absence in any class a student may be dropped from the class. Tuition charges are made on a semester basis, and in no case will tuition be refunded or reduced because of non-attendance upon classes.

Students who have been suspended for delinquency in payment of fees, or who have been suspended for any other reason, are not permitted to attend classes during the period of suspension.

NON-CONTINUOUS ATTENDANCE

Students absent for one semester or more may reenter and continue their work only under the rules and regulations in force at the time of their return.

For further regulations regarding attendance, consult the announcements of the several Schools.

CHANGES IN COURSES AND WITHDRAWALS

All registrations are for the semester unless otherwise stated in the registration paper.

A student may not change or drop courses or change his status to that of auditor except with the permission of the Dean or Director of the School or Division in which he is registered, upon the presentation of adequate reason for such change. A fee of \$2.00 will be charged for each such change.

A student who is obliged to withdraw from the University during the semester, or to drop a course before its completion, or who wishes to change a course or change his status to that of auditor, must immediately report in person or in writing to the Dean or Director of the College, School, or Division in which he has registered for authority to effect such change of status. Reporting the dropping of a course to an instructor does not effect its discontinuance. *A student is liable for all charges for courses for which he has registered unless changes have been made with the approval of the Dean or Director, as stated above.*

No permission to withdraw from the University and no certificate of work done will be given to a student who has not a clear financial record (see "Financial Regulations," above).

Changes in schedule from one section to another of the same course may be made at any time with the consent of the Executive Officer of the Department concerned.

In the School of Medicine course change and withdrawal are not allowed except upon authority of the Advisory Committee. To withdraw from a course a written request approved by the Dean is required. Withdrawal permits and course certificates are issued only to those who have a clear financial record with the University.

PHYSICAL EDUCATION REQUIREMENTS

Regular freshman and sophomore courses in Physical Education are arranged for men and women students in the Junior College, the School of Engineering, and the School of Pharmacy.

These courses in Physical Education are required of all freshman and sophomore students, provided only that students taking less than three subjects, and students all of whose work is in the late afternoon hours, are specifically exempt from this provision of requirements in Physical Education.

Any other exemption from the requirements of Physical Education for men and Physical Education for women, is conditioned on the recommendation of the University Medical Staff to the Executive Officer of Physical Education in the department concerned. This applies equally to men and women.

Students entering the University with advanced standing are not exempt from the Physical Education requirement unless they have satisfactorily met the requirement elsewhere.

The required medical and physical examinations are given beginning September 19, 1931, and should be completed before October 6.

SCHOLARSHIP REQUIREMENTS

A student who fails to maintain the scholarship requirements of the School in which he is registered is subject to probation or to being dropped from the University.

EXAMINATIONS

Examinations are scheduled in all courses at the end of each term or the completion of the course.

Students guilty of dishonesty in examinations may be deprived of credit for the courses in which dishonesty occurs and suspended or expelled from the University.

For further regulations regarding examinations, consult the announcements of the several Schools.

GRADES

As soon as possible after final examinations, reports are issued through the Office of the Registrar. Grades are not given out by instructors. For detailed information concerning the grading system, consult the announcements of the several Schools.

CONDITIONS AND FAILURES

Students who do not make a passing grade in any course are either conditioned or have failed. A condition may be removed and credit for the course received in accordance with the requirements of the several Schools. A failure may not be removed, and credit for the course may be received only after repeating the course with a passing grade.

For information regarding entrance conditions, see "Admission," above.

GRADUATION REQUIREMENTS

Application for graduation should be filed at the time of registration for the first semester of the senior year and may not be filed later than the date specified in the University calendar.

On request the Registrar will furnish to students balance sheets showing the amount of work completed and the amount necessary to complete the requirements for a degree.

To be recommended for graduation in any department of the University, a student must have met the admission and residence requirements of the School in which he is registered, have completed satisfactorily the requirements for the degree for which he is registered, and be free from all indebtedness to the University.

The University reserves the right of refusing to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

Candidates are expected to be present at the graduation exercises, unless special arrangements have been made through the Dean of their College for conferring the degree "in absentia."

CREDIT

Credit toward a degree is given only after regular registration for, attendance in, and satisfactory completion of, the required work of classes in the University, or upon the granting of advanced standing in accordance with the regulations of the several Schools.

TRANSFER OF RECORDS

Official transcripts of student records will be forwarded on request to other institutions. Unofficial copies of records will be furnished to students on request. No charge is made for the first transcript or copy;

a fee of one dollar is charged for each one thereafter. No certificate of work done will be issued for a student who does not have a clear financial record.

THE LIBRARY

A modified Cutter classification system is used, and the books are on open shelves of the reading room. The catalogue contains in one general alphabetical list the names of authors, subjects, and titles.

See the announcements of the School of Medicine and the Law School for information concerning the use of the special libraries.

CIRCULATION

When a desired book has been found in the catalogue, the classification number or call number and the author and title should be copied from the card and handed to the attendant.

BOOKS FOR HOME USE

1. Books, pamphlets, and periodicals not reserved for reference may be withdrawn by students, Faculty, and alumni of the University for a period of one week. They may be renewed for the same period, except when there is a special demand for them. Manuscript theses, however, may be used only in the reading room of the Library.

2. Books, pamphlets, and periodicals shall be recorded at the Librarian's desk before they are taken from the Library.

3. Books withdrawn from the Library shall, upon their return, be brought to the Librarian's desk to be discharged.

4. A record is not clear as long as there is an overdue charge for books or magazines against a student, and the failure to return them will be referred for action to the Dean of the College in which the student is registered and to the Comptroller of the University.

RESERVE AND REFERENCE BOOKS

1. Books assigned for supplementary reading are reserved. Books will be placed on reserve as they are requested in writing by the professors.

A reserve book may be secured by filling out a reserve-book slip at the reserve section. The book may not be taken from the reading room of the Library. It must be returned to the reserve section by the reader to whom it is charged, and the signed slip will be returned as a receipt. Any student taking a reserve book from the room will be reported to his Dean for suspension. When a book is in great demand, the period of use may be restricted.

2. The reference section consists of dictionaries, encyclopedias, guides, indexes, yearbooks, almanacs, atlases, and other standard reference books. They are kept on the shelves of the reading room at all times and may be used only in the room.

STUDENT LIFE

LIVING ACCOMMODATIONS

The George Washington University is an urban institution. It maintains no dormitories. For the benefit of non-resident students registers of rooms which have been inspected and approved are kept in the office of the Director of Women's Personnel Guidance, where inquiries in respect to housing facilities should be addressed. Satisfactory accommodations can be found near the University.

Single rooms usually range in price from twenty to thirty dollars a month, and double from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins. Renting by mail is unsatisfactory. Lists of houses will be mailed on request, but students are advised to make personal inspection before engaging rooms.

WOMEN STUDENTS

All women students under twenty-three years of age must have their residences approved by the Director of Women's Personnel Guidance, unless they are living with family or relatives. Registration is not complete until such approval is given.

APPOINTMENT BUREAU

The Appointment Bureau is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. A teacher-placement service is included in the work of this department. Enrolment is open to graduates and students without charge for placement.

STUDENT EMPLOYMENT

An employment service is operated to assist self-supporting students in finding employment. The University offers every possible assistance, but success in self-support depends upon the student himself. Earnings in full-time work range from sixty to one hundred and twenty-five dollars a month; in part-time and occasional work, an average of about forty dollars a month can be earned under favorable circumstances.

Prospective students who expect to earn any part of their expenses and who do not have definite appointment to positions before coming to Wash-

ington, should have the means of support for at least one semester. A minimum budget of one hundred dollars a month is recommended.

Many out-of-town students take the United States Civil Service examinations in their home States and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue a college course in the late afternoon.

For further information address the Employment Secretary, The George Washington University, Washington, D. C.

HEALTH ADMINISTRATION

The University maintains a staff of medical officers and a hospital.

The payment of the University fee entitles the student to certain health services described under the Department of Health Administration, page 292.

STUDENT ACTIVITIES

PRIVILEGES

Payment of the University fee, charged all students, secures to them the following student-activity privileges:

1. Gymnasium privileges, including participation in intra-university athletic sports, and the use of the University tennis courts.
2. The *University Hatchet*, the official student newspaper, which is issued weekly.
3. Admission to home athletic contests.
4. Admission to University debates.
5. Admission at special rates to other University events.

ELIGIBILITY

No person who is not regularly enrolled as a student and who has not met the eligibility requirements of the School or Division in which he is registered, may participate in student activities or represent the University on its athletic teams or in other student activity.

In order to be eligible to represent the University in any activity, a student must be registered for at least sixty per cent of the number of hours constituting a full course in his department. No male student who has not been registered and in attendance in the University for at least one academic year shall represent the University on a varsity athletic team in an inter-collegiate contest.

CONTROL

Control and direction of all student activities are vested in the Committees on Extra-curricular Activities, which in turn are subject to the supervision and control of the President's Council.

ASSEMBLIES

Chapel exercises are held on Fridays at 12.10 p.m. in Corcoran Hall.

University Assemblies are held from time to time. The attendance of students may be required.

Assemblies for freshman women are held on Wednesdays at 12.10 p.m. in Corcoran Hall. The attendance of all freshman women is required throughout the year.

PERSONAL PROPERTY OF STUDENTS

The University is not responsible for the loss of personal property belonging to students in any University building.

CONDUCT OF STUDENTS

A student enrolled in the University is required to conform to the general University regulations and to comply with the rules and regulations of the College or School in which he is registered.

The right is reserved to drop any student whenever, in the interest of the student or the University, the Faculty deems it advisable to do so.

RESERVATION OF RIGHT TO CHANGE RULES

The University and its various Colleges, Schools, and Divisions reserve the right to modify or change the requirements, rules, and fees of the University. Such regulations shall go into force whenever the proper authorities may determine and shall apply to all students in the University.

For further information, catalogues, and application blanks, address the Registrar, The George Washington University, 2033 G Street, Washington, D. C.

THE COLLEGES, SCHOOLS, AND DIVISIONS

THE JUNIOR COLLEGE

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

Henry Grattan Doyle, A.M., *Dean of the Junior College.*

COMMITTEES†

THE DEAN'S COUNCIL‡

1932

Dudley Wilson Willard

John Albert Tillema

1933

Douglas Bement

Paul William Bowman

1934

Willard Hayes Yeager

Merle Irving Protzman

ADMISSION AND ADVANCED STANDING

Harold Griffith Sutton, *Chairman*

Warren Reed West

Audley Lawrence Smith

Lowell Joseph Ragatz

Paul William Bowman

SCHOLARSHIP

Willard Hayes Yeager, *Chairman*

Merle Irving Protzman

Edgar William Woolard

Anna Pearl Cooper

William Crane Johnstone

DISCIPLINARY RELATIONS

Robert Whitney Bolwell, *Chairman*

Fred August Moss

Ruth Harriet Atwell

Dudley Wilson Willard

Florence Marie Mears

REGISTRATION

Douglas Bement, *Chairman*

John Albert Tillema

Ernest Sewall Shepard

Irene Cornwell

Ralph Dale Kennedy

* Arranged, with the exception of the President and the Dean, on the basis of seniority.

† The President of the University and the Dean of the Junior College are ex officio members of all committees

‡ Elected by the Faculty.

EXAMINATION AND SCHEDULE

Francis Edgar Johnston, *Chairman*
 Richard Norman Owens James Ebenezer Pixlee
 Courtland Darke Baker Benjamin Douglass Van Evera
 Fred Everett Nessell

LIBRARY

Elmer Louis Kayser, *Chairman*
 Daniel Houston Buchanan Alan Thomas Deibert
 Henry Goddard Roberts Thelma Hunt

JUNIOR COLLEGE ADVISERS

General—Anna Pearl Cooper, Lowell Joseph Ragatz, Alan Thomas Deibert, Audley Lawrence Smith, Douglas Bement, Irene Cornwell, Benjamin Douglass Van Evera, William Crane Johnstone, Martha Gibbon.

Bachelor of Science—Walter Lynn Cheney, Paul William Bowman.

Commerce and Business Administration—Richard Norman Owens.

Government and Foreign Service—Warren Reed West.

Prelegal—Hector Galloway Spaulding.

Premedical—Fred August Moss.

Library Science—Elizabeth Adams Lathrop.

Education—Mitchell Dreese.

Home Economics—Frances Kirkpatrick.

Physical Education—James Ebenezer Pixlee, Ruth Harriet Atwell.

STAFF OF INSTRUCTION

William Allen Wilbur, A.M., Litt.D., LL.D., *Professor of English.*

Charles Sidney Smith, Ph.D., *Professor of Classical Languages.*

John Thomas Erwin, A.M., *Professor of Mathematics.*

Hiram Colver McNeil, Ph.D., *Professor of Chemistry.*

Thomas Benjamin Brown, Ph.D., *Professor of Physics.*

Henry Grattan Doyle, A.M., *Professor of Romance Languages.*

Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration.*

Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*

Walter Lynn Cheney, Ph.D., *Professor of Physics.*

- Fred August Moss, Ph.D., M.D., *Professor of Psychology.*
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*
James Ebenezer Pixlee, B.S., *Professor of Physical Education for Men.*
Dudley Wilson Willard, Ph.D., *Professor of Sociology.*
Harry Grant Hodgkins, A.B., *Associate Professor of Mathematics.*
Elmer Louis Kayser, A.M., *Associate Professor of History.*
Harold Griffith Sutton, M.S., *Associate Professor of Finance.*
Anna Pearl Cooper, A.M., *Associate Professor of English.*
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*
Warren Reed West, Ph.D., *Associate Professor of Political Science.*
Leland Arthur Brown, Ph.D., *Associate Professor of Zoology.*
John Albert Tillema, Ph.D., LL.B., *Associate Professor of Political Science.*
Ruth Harriet Atwell, Ph.B., *Associate Professor of Physical Education for Women.*
Francis Edgar Johnston, Ph.D., *Associate Professor of Mathematics.*
Lowell Joseph Ragatz, Ph.D., *Associate Professor of History.*
Daniel Houston Buchanan, Ph.D., Sc.D., *Associate Professor of Economics.*
Alan Thomas Deibert, A.M., *Assistant Professor of Romance Languages.*
Audley Lawrence Smith, A.M., *Assistant Professor of English.*
James Christopher Corliss, A.M., *Assistant Professor of Romance Languages.*
Courtland Darke Baker, A.M., *Assistant Professor of English.*
Douglas Bement, A.M., LL.B., *Assistant Professor of English.*
Irene Cornwell, Ph.D., *Assistant Professor of Romance Languages.*
Florence Marie Mears, Ph.D., *Assistant Professor of Mathematics.*
Edgar William Woolard, Ph.D., *Assistant Professor of Mathematics.*
Frances Kirkpatrick, A.M., *Assistant Professor of Home Economics.*
Elizabeth Adams Lathrop, A.B., *Assistant Professor of Library Science.*
Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking.*
Paul William Bowman, Ph.D., *Assistant Professor of Botany.*
Raymond John Seeger, Ph.D., *Assistant Professor of Physics.*
Benjamin Douglass Van Evera, M.S., *Assistant Professor of Chemistry.*
Wilfrid Phelps Thomas, Ph.D., *Assistant Professor of Romance Languages.*
Arthur Howard Hughes, Ph.D., *Assistant Professor of German.*
Thelma Hunt, Ph.D., *Assistant Professor of Psychology.*
William Crane Johnstone, jr., Ph.D., *Assistant Professor of Political Science.*
Ernest Sewall Shepard, A.M., *Assistant Professor of English.*

- Mitchell Dreese, Ph.D., *Assistant Professor of Education.*
Harold Friend Harding, A.M., *Assistant Professor of Public Speaking.*
Lawson Edwin Yocum, Ph.D., *Assistant Professor of Botany.*
Mary Quick Bowman, A.M., *Instructor in Zoology.*
Martha Gibbon, A.M., *Instructor in English.*
Theodore Roskam Jehne, A.M., *Instructor in German.*
Ralph Dale Kennedy, A.M., *Instructor in Economics.*
Agnes Rodgers, A.M., *Instructor in Physical Education for Women.*
Franc Paul Gaston Thénau, A.M., *Instructor in Romance Languages.*
Fay Pierce Beij, A.M., *Associate in Zoology.*
Eugenia Galtsoff, *Associate in Zoology.*
Charles Frederick Kramer, jr., A.M., *Associate in French.*
James Louis Thomas, A.M., *Associate in Physics.*
Henry Joseph Wing, Ph.D., *Associate in Physics.*
Alden Hayes Emery, A.M., *Associate in Geology.*

GENERAL STATEMENT

INTRODUCTORY

The Junior College includes the first two years of college work. Its curriculum is intended to continue the studies of a general cultural nature begun in the secondary schools, and to lay a foundation for the more specialized work which is to follow. During the freshman and sophomore years emphasis is accordingly laid (1) upon the social, cultural, biological, and physical background of civilization (history, political science, physical and biological sciences, literature, etc.) and (2) upon the discipline necessary to the effective prosecution of more advanced work (English rhetoric and composition, foreign language, mathematics, etc.).

The Junior College also provides the preprofessional work required for admission to the respective Schools of Law, Medicine, Education, Government, Fine Arts, and Library Science.

In addition, it provides two two-year curricula, leading to the Junior Certificate, which are intended to meet the needs of students who do not look forward to a four-year college course.

ADVISORY SYSTEM

In order that students may have abundant opportunities, not only for assistance in planning their courses of study, but also for personal, educational, and vocational advice in every phase of their academic work during the first two years, a number of members of the Faculty serve as

members of the Board of Advisers to Junior College students. Incoming students will be assigned to advisers as early as possible after registration and will be required to consult their advisers at least once each semester. Students on probation and "warned" students are required to consult their respective advisers at such stated intervals as the Dean or adviser may direct. (See regulations on scholarship and "warnings," below.) All students are, however, encouraged to consult their advisers on their college problems at any time, irrespective of these requirements. Students are expected to consult with the same advisers throughout their freshman and sophomore years, it being understood that these members of the Faculty act in the capacity of general educational advisers rather than as representatives of their respective departments of instruction.

ADMISSION

Candidates for admission to the Junior College must submit fifteen units of accredited secondary-school work which shall include:

For curricula other than the Premedical Curriculum—English, three units; Foreign Language, two units (both in the same language); Algebra, one unit; Plane Geometry, one unit; electives, eight units.

For the Premedical Curriculum—English, three units; Foreign Language, two units (Latin is desirable, and both units must be in the same language); Algebra, one unit; Geometry, one unit; History, one unit; Science, one unit of Botany, Chemistry, Physics, or Zoology. Two additional units must be in English, Foreign Language, Mathematics, Science, or History; electives, four units.

No candidate will be accepted with any condition in secondary-school work.

A unit represents a year's study in any subject in a secondary school, constituting approximately a quarter of a full year's work. It includes in the aggregate not less than 120 sixty-minute hours of prepared classroom work.

For general regulations regarding admission and the filing of credentials, and a description of prescribed studies, see pages 57-60.

SPECIAL STUDENTS

Special students and auditors are referred to the Division of University and Extension Students.

REGISTRATION

For information regarding registration, see pages 61-62.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The following scholarships may be assigned in the Junior College: Byron Andrews Scholarships; Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; Robert Farnham Scholarship; Elma Lewis Harvey Scholarship; John Hitz Metzerott Scholarship; A. Morehouse Scholarship; David Spencer Scholarship; Mary Lowell Stone Scholarship; William Walker Scholarship; John Withington Scholarship; Ellen Woodhull Scholarship.

For particulars regarding application for, and the award of, these scholarships, see pages 68-70.

For information regarding prizes, see pages 71-76.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77.

THE CERTIFICATE OF JUNIOR STANDING

Upon the satisfactory completion of the requirements of the Junior College, a Certificate of Junior Standing is granted. This certificate is required for admission to the junior class of Columbian College and to the professional Schools which require two years of preprofessional work. See "Curricula Leading to the Junior Certificate," below.

REQUIREMENTS FOR THE CERTIFICATE

To be recommended for a Certificate, the student must satisfy the admission, scholarship, and curriculum requirements. The curriculum requirements include at least sixty-four semester-hours of credit. A semester-hour of credit is one recitation or lecture a week or one laboratory period a week for one semester.

SCHOLARSHIP

In order to receive a Junior Certificate, the student must have a quality-point index of 2.00 on his complete record. Quality points are figured as follows: *A*, four points; *B*, three points; *C*, two points; *D*, one point; *E*, no points; *F*, minus one point, for each semester-hour of credit.

PHYSICAL EDUCATION

The Physical Education requirement consists of the prescribed freshman and sophomore assignments (see the announcement of Physical Education courses) to be taken in the freshman and sophomore years by all students.

APPLICATION FOR THE JUNIOR CERTIFICATE

Application for the Junior Certificate should be filed with the Registrar not later than January 11 in the first semester and May 2 in the second semester.

CURRICULA LEADING TO THE JUNIOR CERTIFICATE

The following curricula lead to a Junior Certificate and, with the exception of the specialized Junior College curricula, certify the holder, if the appropriate number of grade-points is obtained, for admission to Columbian (the senior) College and the professional Schools and Divisions. Provision is made for certain differentiations to meet the needs of preparing for the several professional fields.

A. THE JUNIOR COLLEGE CURRICULA (TWO YEARS)

I. *General Curriculum.* This curriculum is intended for students who do not look forward to a four-year college course or to advanced study in the liberal arts or in the sciences. Through study with the best thought in the fields of human endeavor, it aims to provide the essential intellectual background of an educated person and to lay the foundations upon which may be built a solid structure of broad knowledge and training for good citizenship.

II. *Secretarial and Business Curriculum.* This curriculum, when supplemented by adequate training and experience in shorthand, typewriting, office practice, etc., is intended to furnish a fundamental business education in preparation for positions as secretaries and minor business executives.

B. CURRICULA FOR ADMISSION TO COLUMBIAN COLLEGE

I. *Curriculum Leading to the Degree of Bachelor of Arts.* This curriculum comprises the first two years of a standard four-year course in arts and letters, leading to the degree of Bachelor of Arts, which is granted by Columbian College.

II. *Curricula Leading to the Degree of Bachelor of Science.* These curricula constitute two-year courses with emphasis upon the sciences. Students intending to study in Columbian College for the Bachelor of Science degree in Botany, Geology, or Zoology, should follow curriculum B-II-a. Those desiring the Bachelor of Science degree in Chemistry, Mathematics, or Physics, should follow curriculum B-II-b.

C. CURRICULUM FOR ADMISSION TO THE SCHOOL OF MEDICINE

This curriculum covers the required college work for entrance to the School of Medicine and satisfies the requirements of the first two years of the combined course leading to the degrees of Bachelor of Arts and Doctor of Medicine (see pages 142-43).

D. CURRICULUM FOR ADMISSION TO THE LAW SCHOOL

This curriculum satisfies the requirements for the first two years of the combined course leading to the degrees of Bachelor of Arts and Bachelor of Laws (see page 163).

E. CURRICULA FOR ADMISSION TO THE SCHOOL OF EDUCATION

I. *Curriculum Leading to the Degree of Bachelor of Arts in Education.* This curriculum covers the required college work for entrance to the School of Education. The requirements may be modified in some instances on the basis of the work presented for entrance.

II. *Curriculum Leading to the Degree of Bachelor of Science in Home Economics.* This curriculum covers the first two years of preparation for majors in Home Economics, for prospective teachers and others, leading to the degree of Bachelor of Science.

III. *Curriculum Leading to the Degree of Bachelor of Science in Physical Education.* This curriculum covers the first two years of a four-year course in Physical Education for Men and Physical Education for Women, leading to the degree of Bachelor of Science in Physical Education.

F. CURRICULUM FOR ADMISSION TO THE SCHOOL OF GOVERNMENT

This curriculum covers the work required for entrance to curricula offered in the School of Government, which are: General Course in Government; Foreign Service Course; Domestic Commerce Course; Foreign Commerce Course; Finance Course; and Business Administration Course.

G. CURRICULUM FOR ADMISSION TO THE DIVISION OF LIBRARY SCIENCE

This curriculum is planned for students who expect to enter the Division of Library Science. It provides for a reading knowledge of French and German and outlines the work necessary as a basis for the technical work to follow.

H. CURRICULA FOR ADMISSION TO THE DIVISION OF FINE ARTS

I. *Curriculum Leading to the Degree of Bachelor of Arts in Architecture, Building, or Building Administration.* This curriculum covers the required college work for entrance to the Division of Fine Arts and satisfies the requirements of the first two years of the curricula which lead to the degrees of Bachelor of Arts in Architecture, in Building, and in Building Administration. For the Bachelor of Architecture degree, see pages 222 and 225.

II. *Curriculum Leading to the Degree of Bachelor of Arts in Illustration or Art.* This curriculum covers the required college work for entrance to the Division of Fine Arts and satisfies the requirements for the first two years of the curricula which lead to the degrees of Bachelor of Arts in Illustration and in Art. For the Bachelor of Fine Arts degree, see pages 222 and 225.

The statements of curricula in the following folded table include courses intended to meet the respective requirements for entrance to Columbian College and the professional Schools.

FOR ADMISSION TO THE

FOR ADMISSION TO THE			
E-II. BACHELOR OF SCIENCE IN HOME ECONOMICS		E-III. BACHELOR OF SCIENCE IN PHYSICAL EDUCATION	
6	English 1-2.....	6	English 1-2.....
6	Latin, Greek, French, German, or Spanish (or elective).	6	
6		History, Political Science, or Sociology.	6
6 or 8	Botany or Zoology	6 or 8	Zoology 1 and 2...
12	Home Economics 1X, 3X, 21, and 23.	12	For Men: Physical Education 1-2 and 11-12. For Women: Physical Education 1-2 and 5-6.
6		For Men: (Academic).....	4 or 6
2		For Women: (Academic).....	6
		(See above)	
32 or 34		For Men: 34 or 36 For Women: 34	

COURSES

COURSES	
English.....	E-1
Foreign Languages.....	†
Social Studies.....	F
Mathematics and Sciences.....	B 1
Curriculum Electives and Technical Courses.....	F
Electives.....	kin :du 4. 1-0 ? :du and
Required Physical Education.....	
Total.....	

- * For the Prelegal Curriculum, see B-I, which
- † For the foreign-language requirements, see 11
- ‡ The advice of the major department must be
- § Students in the Foreign Service Course in G
- || An elective may be substituted with the per
- ¶ Students in the General Course in Governm

TO THE PROFESSIONAL SCHOOLS*

[illegible]

CURRICULUM REQUIREMENTS

CHANGE OF CURRICULUM

After selecting a curriculum, a student is not permitted to change to another except by permission of the Dean and on condition that he fulfil the requirements of the curriculum to which he changes.

FOREIGN-LANGUAGE REQUIREMENTS

A student offering four years of a single foreign language* or its equivalent for admission is not required to take any foreign language. If he offers two or three years of a single foreign language, he must take one year of the same language.

Every student must also possess a reading knowledge of a modern foreign language and must file with the Registrar a certificate of that fact given by one of the foreign-language departments before he may enter upon the studies of his junior year. For the degree of Bachelor of Science this language work must be in French or German.

Examinations in foreign languages will be given between October 15 and November 1, and April 15 and May 1. Students should consult the Executive Officer of the department concerned.

EXAMINATIONS FOR THE PURPOSE OF WAIVING CURRICULUM REQUIREMENTS†

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirements in that subject and qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should make the request of the Dean.

A fee of \$5.00 for each examination is to be paid at the Comptroller's Office and the receipt exhibited at the door of room 27, building W, on September 23 or 24 at 2.00 p.m. for the first semester, and on February 10 or 11 at 2.00 p.m. for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

HONORS

Honorable mention with the Junior Certificate may be granted to those students who have a total quality-point index of 3.50.

* "Foreign language" means French, German, Spanish, Greek, or Latin. "Modern foreign language" means French, German, or Spanish.

† This provision does not apply to premedical students, all of whose required premedical work must be taken in a recognized college of arts and sciences.

REGULATIONS

Students in the Junior College are subject to the general University regulations as stated on pages 78-81.

AMOUNT OF WORK

1. Fifteen semester-hours, not including required Physical Education, constitute normal work. Students not on probation may be permitted by the Dean to take sixteen or seventeen semester-hours.
2. Students having a total quality-point index of 3.50 may, with the permission of the Dean, take eighteen or nineteen semester-hours. No student may take more than nineteen semester-hours, except with the permission of the Scholarship Committee.
3. For employed students working more than twenty-four hours a week, nine semester-hours, not including required Physical Education, is normal work. Employed students not on probation may be permitted by the Dean to take ten semester-hours. Employed students having a total quality-point index of 3.50 may be permitted by the Dean to take twelve or thirteen semester-hours.
4. A student shall not register concurrently in the Junior College and in any other school of this or another institution except with the consent of the authorities of both schools. Allowance of credit for work done concurrently shall be at the discretion of the Committee on Admission and Advanced Standing.

ATTENDANCE

1. The student is held responsible to the instructor in charge of the course for which he is registered for all the work of the course, and all absences must be excused before provision will be made for him to make up the work missed.
2. With the exceptions noted below, occasional absences, not to exceed in number for each semester the semester-hours of credit for the semester, will be automatically excused. (Where a course has distinct divisions, such as lectures, laboratories, recitations, etc., these excuses apply pro rata to such separate divisions.) In applying this rule, absences adjacent to holiday periods are to be counted double.
3. Such automatic excuses are intended to cover the occasional minor exigencies and not to constitute an indiscriminate privilege. Students on probation are allowed no automatic excuses.
4. Excuses for absences from two or more consecutive class periods and for absences from examinations which have been announced in advance, can be obtained only by making written application to the Dean of the Junior College. All other absences may be excused by the instructor in charge.

GRADES

The following grades are given: *A* (90-100), excellent; *B* (80-89), good; *C* (70-79), average; *D* (60-69), passing; *E* (below 60), conditioned (not passing); *F*, failure; *Inc.*, incomplete. A course failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above *D* is given, unless the work is repeated in class. As soon as possible after the close of the term a report is mailed to each student through the Office of the Registrar. Grades are not given out by instructors. No student may repeat for credit a course in which he has received a mark above *E*. Grades of *E* and *Inc.* cannot be altered after the lapse of one calendar year, except with the approval of the professor, the department head, and the Dean concerned.

SCHOLARSHIP

SUPERIOR SCHOLARSHIP

The names of those students who have a quality-point index of 3.50 on the basis of the student's complete record will be placed on the Honor Roll and published. No consideration will be given to those who have completed a total of less than fifteen semester-hours. A place on the Honor Roll does not necessarily mean that the student will receive honors upon graduation.

POOR SCHOLARSHIP

Probation. A student must maintain a quality-point index of 1.50 or he will be placed on probation. The cases of students having a quality-point index between 1.35 and 1.50, however, will be considered individually by the Scholarship Committee, which may retain or remove their probation. A student remains on probation as long as his quality-point index is below 1.50, or until his probation is removed by the Scholarship Committee.

Dismissal. A student who has a total quality-point index below 1.00 will be dropped. The cases of students having a total quality-point index between .85 and 1.00, however, will be considered individually by the Scholarship Committee, which may retain them on probation or drop them.

A student who receives a grade of *E* or *F* in two courses in any two out of three successive semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Admission and Advanced Standing that during this absence from the University he has

so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted. For the purpose of these rules, the Summer Sessions will be considered a semester.

WARNINGS

At stated intervals during the academic year instructors shall file in the Office of the Registrar the names of those students who are doing work of *D* grade or lower. These "warnings" shall be transmitted to the students concerned and copies forwarded to their respective advisers. A "warning" constitutes notice to the student that he must consult his adviser within a reasonable time and in any case not later than two weeks after receipt of the warning.

"Warning periods" are established as follows: First semester—November 15 to December 1. Second semester—the two weeks immediately preceding the Easter recess. Summer Sessions—six-week courses, third to fourth week; nine-week courses, fourth to fifth week.

STUDENTS WITH LIMITED SCHEDULES

In the case of students with limited schedules, these scholarship rules will be applied only when the student has undertaken fifteen semester-hours or multiples thereof, unless he receives a grade of *E* or *F* in two courses in any two out of three successive semesters.

COMPETITION AND ELIGIBILITY

Courses duly dropped or graded *Incomplete*, and required courses in Physical Education, will not be considered in any way in computing standing or eligibility under the scholarship rules.

SCHOLARSHIP REQUIREMENTS FOR CERTIFICATION

See "Scholarship," under "The Certificate of Junior Standing," above.

ELIGIBILITY FOR STUDENT ACTIVITIES

A student on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

Before a student may participate in any student activity or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

The Dean of the College may declare a student ineligible to participate in any student activity when, in the opinion of the Dean, the student's participation in such activity would be detrimental to his own best interests or the interests of the University.

MAKE-UP EXAMINATIONS

A grade of *E* may be removed within one calendar year by a make-up examination. Unless sanctioned by the Dean, such examinations are given only after a semester of study and only during one of the semester examination periods or during the week preceding registration in September. Upon the receipt of a written application, not later than one week in advance of the examination period, the department concerned will specify the exact date of the examination. A student passing the examination may receive no grade higher than *D*.

A student failing to pass such an examination may not obtain credit for the course except by repeating it in class.

CLASSIFICATION OF STUDENTS

A student who has satisfactorily completed at least thirty-two semester-hours of work, including eighteen semester-hour credits in his curriculum requirements, shall be classed as a *sophomore*.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

Junior College students may not take second-group courses (courses numbered 100 or above) without previous written permission of the instructor or his representative and the written approval of the Dean of the Junior College.

COLUMBIAN COLLEGE

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*
_____, *Dean of Columbian College.*

COMMITTEES†

THE DEAN'S COUNCIL‡

1932

Robert Whitney Bolwell
Warren Reed West

1933

Samuel Flagg Bemis
Edward Henry Sehrt

1934

Walter Lynn Cheney
James Henry Taylor

ADMISSION AND ADVANCED STANDING

The Dean of the College, *Chairman*
Harold Griffith Sutton, *Secretary*

Audley Lawrence Smith

Edward Henry Sehrt

SCHOLARSHIP

Paul William Bowman, *Chairman*

James Henry Taylor

Merle Irving Protzman

REGISTRATION

Warren Reed West, *Chairman*

Walter Lynn Cheney

Douglas Bement

EXAMINATION AND SCHEDULE

Francis Edgar Johnston, *Chairman*

Elmer Louis Kayser

Benjamin Douglass Van Evera

Fred Everett Nessell

* Arranged, with the exception of the President and the Dean, on the basis of seniority.

† The President of the University and the Dean of Columbian College are ex officio members of all committees.

‡ Elected by the Faculty.

LIBRARY

Robert Whitney Bolwell, *Chairman*

Alan Thomas Deibert

John Albert Tillema

DISCIPLINARY RELATIONS

James Henry Taylor, *Chairman*

Willard Hayes Yeager

Anna Pearl Cooper

STAFF OF INSTRUCTION

William Allen Wilbur, A.M., Litt.D., LL.D., *Professor of English.*Paul Bartsch, Ph.D., *Professor of Zoology.*George Neely Henning, A.M., Litt.D., *Professor of Romance Languages.*Charles Sidney Smith, Ph.D., *Professor of Classical Languages.*Edward Elliott Richardson, M.D., Ph.D., *Elton Professor of Mental and Moral Philosophy.*Ray Smith Bassler, Ph.D., *Professor of Geology.*Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology and Pathology.*DeWitt Clinton Croissant, Ph.D., *Professor of English.*Robert Russ Kern, A.B., *Professor of Urban Sociology.*Truman Michelson, Ph.D., *Professor of Ethnology.*Charles Edward Hill, Ph.D., *Professor of Political Science.*Thomas Benjamin Brown, Ph.D., *Professor of Physics.*Henry Grattan Doyle, A.M., *Professor of Romance Languages.*Robert Fiske Griggs, Ph.D., *Professor of Botany.*John Donaldson, Ph.D., *Professor of Political Economy.*Joseph Hiram Roe, Ph.D., *Professor of Biochemistry.*George Morton Churchill, Ph.D., *Professor of History.*Samuel Flagg Bemis, Ph.D., *Professor of History.*Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*Edward Henry Sehr, Ph.D., *Professor of German.*Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*Walter Lynn Cheney, Ph.D., *Professor of Physics.*Fred August Moss, Ph.D., M.D., *Professor of Psychology.*James Henry Taylor, Ph.D., *Professor of Mathematics.*Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*Dudley Wilson Willard, Ph.D., *Professor of Sociology.*Mark Anson Smith, Ph.D., *Professorial Lecturer on Economic History.*

Cecil Knight Jones, B.Litt., *Professorial Lecturer on Spanish-American Literature.*

Elmer Louis Kayser, A.M., *Associate Professor of History.*

Harold Griffith Sutton, M.S., *Associate Professor of Finance.*

Anna Pearl Cooper, A.M., *Associate Professor of English.*

Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*

Warren Reed West, Ph.D., *Associate Professor of Political Science.*

Leland Arthur Brown, Ph.D., *Associate Professor of Zoology.*

John Albert Tillema, Ph.D., LL.B., *Associate Professor of Political Science.*

Frank Mark Weida, Ph.D., *Associate Professor of Mathematics.*

Alva Curtis Wilgus, Ph.D., *Associate Professor of History.*

Francis Edgar Johnston, Ph.D., *Associate Professor of Mathematics.*

Lowell Joseph Ragatz, Ph.D., *Associate Professor of History.*

Daniel Houston Buchanan, Ph.D., Sc.D., *Associate Professor of Economics.*

Alan Thomas Deibert, A.M., *Assistant Professor of Romance Languages.*

Audley Lawrence Smith, A.M., *Assistant Professor of English.*

James Christopher Corliss, A.M., *Assistant Professor of Romance Languages.*

Courtland Darke Baker, A.M., *Assistant Professor of English.*

Douglas Bement, A.M., LL.B., *Assistant Professor of English.*

Irene Cornwell, Ph.D., *Assistant Professor of Romance Languages.*

Florence Marie Mears, Ph.D., *Assistant Professor of Mathematics.*

Edgar William Woolard, Ph.D., *Assistant Professor of Mathematics.*

Paul William Bowman, Ph.D., *Assistant Professor of Botany.*

Benjamin Douglass Van Evera, M.S., *Assistant Professor of Chemistry.*

Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking.*

Raymond John Seeger, Ph.D., *Assistant Professor of Physics.*

Ernest Sewall Shepard, A.M., *Assistant Professor of English.*

Thelma Hunt, Ph.D., *Assistant Professor of Psychology.*

William Crane Johnstone, jr., Ph.D., *Assistant Professor of Political Science.*

Harold Friend Harding, A.M., *Assistant Professor of Public Speaking.*

Lawson Edwin Yocum, Ph.D., *Assistant Professor of Botany.*

Charles Edwin Van Orstrand, M.S., *Lecturer on Mathematical Physics.*

Charles Elmer Resser, Ph.D., *Lecturer in Geography.*

Caroline Benedict Carroll, A.B., *Lecturer on Archæology.*

*William Webster Diehl, M.S., *Lecturer on Mycology.*

*On leave 1931-32.

- *James Everard Benedict, jr., B.F., *Lecturer on Bryology.*
 Joseph Alfred Ambler, Ph.D., *Lecturer in Chemistry.*
 Ralph Edward Gibson, Ph.D., *Lecturer in Chemistry.*
 Raleigh Gilchrist, Ph.D., *Lecturer in Chemistry.*
 Elwood Street, A.M., *Lecturer in Sociology.*
 Thomas Fredrik Weybye Barth, Ph.D., *Lecturer in Geology.*
 J. Blaine Gwin, A.B., *Lecturer in Sociology.*
 William Moore Loman, A.M., *Lecturer in Psychology.*
 Paul Hugh Emmett, Ph.D., *Lecturer in Chemistry.*
 DeWitt Clinton Knowles, M.S., *Instructor in Chemistry.*
 Henry Furness Hubbard, A.M., *Instructor in Psychology.*
 Ralph Dale Kennedy, A.M., *Instructor in Economics.*
 André-Marie-Georges Benéteau, Ph.D., *Associate in French.*
 Daniel Champlin Chace, A.B., *Associate in Journalism.*
 William Thomas McClosky, A.B., *Associate in Zoology.*
 Edward Porter Henderson, M.S., *Associate in Geology.*
 Charles Holcomb Popenoe, B.S., *Associate in Zoology.*
 Helen Marie Dyer, A.M., *Associate in Chemistry.*

GENERAL STATEMENT

INTRODUCTORY

Columbian College was founded in 1821, during the presidency of James Monroe. A charter was obtained from Congress establishing "The Columbian College in the District of Columbia" for the "sole and exclusive purpose of educating youth in the English, learned and foreign languages, the liberal arts, sciences and literature," with full power to confer all degrees "usually granted and conferred in colleges."

Since the founding of Columbian College, many other Schools and Divisions have been established to form the present George Washington University. In 1930 the name of Columbian College was bestowed upon the senior college.

ADMISSION

For general regulations regarding admission and the filing credentials, see pages 57-60. Credentials should be presented to the Admissions Office.

FOR THE BACHELOR'S DEGREES

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Bachelor of Arts must present

* On leave 1931-32.

a Certificate of Junior Standing based on curriculum A-I or B-I in the Junior College, or its equivalent (see page 93 and table facing pages 94-95). Students taking the combined Arts and Law or Arts and Medicine Curriculum are subject to this regulation, and those taking the latter must include all the special premedical requirements (see pages 138-39).

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Bachelor of Science must present a Certificate of Junior Standing based on curriculum B-II-a (Botany, Geology, or Zoology) or B-II-b (Chemistry, Mathematics, or Physics) in the Junior College, or its equivalent (see page 93 and table facing pages 94-95).

FOR THE MASTER'S DEGREE

Applicants for admission to Columbian College having the intention of becoming candidates for the degree of Master of Arts must present a baccalaureate degree from an accredited institution and a transcript of the studies previously pursued. Students from unaccredited institutions may be admitted at the discretion of the Dean, but such students are required to take such extra work above the minimum requirements as may be prescribed. The program of study pursued for the baccalaureate degree must have been such as to qualify candidates for pursuing the subjects chosen for the Master's degree.

REGISTRATION

For information regarding registration, see pages 61-62.

A student may not register concurrently in Columbian College and in any other school of this or another institution except with the consent of the authorities of both schools. Allowance of credit for work done concurrently is at the discretion of the Committee on Admission and Advanced Standing.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

FELLOWSHIPS, SCHOLARSHIPS, PRIZES, LOAN FUNDS

Fellowships are available in the Departments of Biology, Chemistry, Economics, English, History, Physics, and Psychology. Details regarding qualifications and application for these fellowships will be found on page 68.

The following scholarships may be assigned in Columbian College: Byron Andrews Scholarships; Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; Robert Farnham Scholarship; Elma Lewis Harvey Scholarship; John Hitz Metzertott Scholarship; A. Morehouse Scholarship; David Spencer Scholarship; Mary J. Lowell Stone Scholarship; William Walker Scholarship; John Withington Scholarship; Ellen Woodhull Scholarship.

For particulars regarding application for, and the award of, these scholarships, see pages 68-70.

For information regarding prizes, see pages 71-76.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77.

DIVISIONAL ORGANIZATION

The instructional organization of Columbian College is contained in the divisions. The divisional and departmental officers administer the educational requirements for students majoring within the divisions. The divisions are as follows:

THE DIVISION OF LANGUAGES AND LITERATURES

The Department of Classical Languages and Literatures

The Department of English

The Department of Germanic Languages and Literatures

The Department of Romance Languages and Literatures

THE DIVISION OF MATHEMATICS AND THE PHYSICAL SCIENCES

The Department of Chemistry

The Department of Mathematics

The Department of Physics

THE DIVISION OF THE NATURAL SCIENCES

The Department of Botany

The Department of Geology and Geography

The Department of Psychology

The Department of Zoology

THE DIVISION OF THE SOCIAL SCIENCES

The Department of Anthropology

The Department of Economics

The Department of History

The Department of Philosophy

The Department of Political Science

The Department of Public Speaking

The Department of Sociology

INDEPENDENT STUDY PLAN

Under the Independent Study Plan a student of demonstrated capacity with special interest in a course, may, upon approval of his project by the instructor in charge and by the Committee on Independent Study, be

permitted to undertake independent study under the personal direction of the instructor. Under this plan the student, though relieved of formal class requirements, will cover the essentials of the course and, in addition, will develop the particular field of his project. Any project may be terminated at the end of any semester at the option of either student or instructor.

THE DEGREES

The degrees offered are Bachelor of Arts, Bachelor of Science, and Master of Arts.

In conjunction with the professional curricula the following combined curricula are offered: a six-year curriculum leading to the degrees of Bachelor of Arts and Bachelor of Laws, and a seven-year curriculum leading to the degrees of Bachelor of Arts and Doctor of Medicine.

THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF SCIENCE

To be recommended for a baccalaureate degree a student must satisfy the admission, residence, scholarship, and curriculum requirements.

REQUIREMENTS FOR THE DEGREES

RESIDENCE

A minimum of one year, or thirty semester-hours, must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission is granted by the Dean to pursue work elsewhere, the work of the senior year must be completed in residence.

SCHOLARSHIP

Scholarship is computed in terms of *semester-hours* (quantitative evaluation) and *quality points* (qualitative evaluation), and their collective value is represented by the *quality-point index*.

Grades. The following grades are given: *A*, excellent; *B*, good; *C*, fair; *D*, passing; *E*, conditioned; *F*, failure; *Inc.*, incomplete. A course officially dropped (see page 78) six weeks or more after the beginning of the course, is graded *W* followed by the letter indicating the grade of work up to that time.

A grade of *E* may be removed within one calendar year by a make-up examination. Unless sanctioned by the Dean, such examinations are given only after a semester of study and only during one of the semester examination periods or during the week preceding registration in September. Upon the receipt of a written application, not later than one week in advance of the examination period, the department concerned will specify the exact date of the examination. A student passing the examination may receive no grade higher than *D*.

A grade of *Inc.* must be removed within one calendar year.

Grades are not given out by instructors, but are mailed to the student through the Office of the Registrar at the close of each semester.

Semester-hours. A semester-hour represents one recitation, lecture, or laboratory period a week for one semester.

Quality Points. Quality points are computed from grades as follows: *A*, four points; *B*, three points; *C*, two points; *D*, one point; *E*, no points; *F*, minus one point, for each semester-hour for which the student has registered.

The successful repetition of a course in which a grade of *F* was received removes the minus quality point involved, and the appropriate quality points are assigned for the grade received.

Quality-point Index. This index is obtained by dividing the number of quality points by the number of semester-hours for which the student has registered, both based on the complete collegiate record. Courses dropped by permission (see page 78) or graded *Inc.* are not considered in determining the index.

REQUIREMENTS FOR GRADUATION

In order to graduate the student must present at least sixty semester-hours of credit beyond that of the Junior College, and a quality-point index of at least 2.00.

CURRICULA LEADING TO THE DEGREES

Every candidate for graduation must satisfy one of the four curricula listed below leading to the degrees of Bachelor of Arts or Bachelor of Science.

After selecting a curriculum, a student may not change to another except by permission of the Dean and on condition that he fulfil the requirements of the curriculum to which he changes.

The freshman and sophomore years of each curriculum will be found under the Junior College (see pages 93-95).

The requirements for the major in the several departments of instruction are stated immediately preceding the announcement of courses offered, in the case of curricula B-I-a, B-II-a, and B-II-b in Columbian College. The first year of Law or Medicine satisfies the requirements for the major in the combined Arts and Law and Arts and Medicine Curricula respectively.

Students are required to select and file with the Registrar a choice of a major upon entering Columbian College. Students may change the major only with the consent of the Dean and the Executive Officers of the departments concerned.

Courses of an elementary or introductory character may not be counted as satisfying the requirement for a major unless specifically approved by the major department.

First-group courses (1-100) may be taken by students in Columbian College only by permission of the Dean.

Not less than thirty semester-hours of the required sixty must consist of second-group (101-200) or third-group (above 200) courses. The first year of Law or Medicine is considered as satisfying this requirement in the combined Arts and Law and Arts and Medicine Curricula respectively.

BACHELOR OF ARTS

B-I-a. *General Curriculum.* The work of the junior and senior years, and a major of at least twenty-four semester-hours, must be arranged by consultation with the major department and must be approved by that department and the Dean.

B-I-b. *Combined Curricula: Bachelor of Arts and Bachelor of Laws, and Bachelor of Arts and Doctor of Medicine.* These curricula contemplate three years of collegiate study and either three years in The George Washington University Law School or four years in The George Washington University Medical School, thus effecting a saving of one year. Students wishing to avail themselves of this opportunity must obtain the recommendation of the Dean of Columbian College at the time of entering the professional School. Upon the completion of the first year of the regular curriculum in the professional School, and upon the recommendation of its Dean, the degree of Bachelor of Arts will be conferred. The entire work must be upon the scholarship level required for graduation. Credit is not given for professional work taken in another institution.

Students entering the Law School or the School of Medicine of The George Washington University with two or more years of preprofessional work of satisfactory quality, who thereupon complete the requirements for a degree in either of these Schools and present the recommendation of its Dean, may obtain the degree of Bachelor of Arts upon the completion of thirty semester-hours of satisfactory work in Columbian College.

BACHELOR OF SCIENCE

The work of the junior and senior years and a major of at least twenty-four semester-hours in one of the six sciences mentioned below, must be arranged by consultation with the major department and must be approved by that department.

B-II-a. *Botany, Geology, and Zoology Curriculum.* Geology 11-12 or 21-22 must be taken if not elected earlier.

B-II-b. *Chemistry, Mathematics, and Physics Curriculum.* If Botany has been elected earlier, Geology 11-12 or 21-22, or Zoology 1 and 2, must be taken. If Geology has been elected earlier, either Botany 1-2 or Zoology 1 and 2 must be taken.

EXAMINATION FOR THE PURPOSE OF WAVING CURRICULUM REQUIREMENTS

A student desiring to omit a required course may take such examination as the department prescribes, and, on passing satisfactorily, he may be relieved of the curriculum requirement in that subject and qualify for registration in an advanced course. Passing of this examination shall not entitle the student to any hours of credit toward the degree. Students desiring to take such examinations should make the request of the Dean.

A fee of \$5.00 for each examination is to be paid at the Comptroller's Office and the receipt exhibited at the door of room 27, building W, on September 23 or 24 at 2.00 p.m. for the first semester, and on February 10 or 11 at 2.00 p.m. for the second semester. Two hours will be allowed for the examination. Should a student wish to take more than one examination, arrangements will be made accordingly.

HONOR ROLL

The names of students who have completed a minimum of fifteen semester-hours and whose quality-point index is 3.50 or higher, based on the complete collegiate record, are placed on the Honor Roll and published each semester. A place on the Honor Roll does not mean that the student will graduate with honors.

HONORS

General and Special Honors may be awarded at graduation. A student may be awarded both General and Special Honors.

GENERAL HONORS

There are two classes of General Honors: "with distinction" and "with high distinction." General Honors are based upon the student's quality-point index on all work taken here, except for the grades of the semester immediately preceding the granting of the degree.

"With distinction" is given at the discretion of the Faculty to those attaining a quality-point index of 3.80 or higher.

"With high distinction" is given at the discretion of the Faculty to those eligible for "distinction."

To be eligible for General Honors, a student must have had at least three fourths of his work towards the degree at this University and may have had no grade below *D* after the freshman year.

SPECIAL HONORS

Special Honors may be awarded in individual fields, e.g., in Chemistry, Economics, or English.

Special Honors shall be awarded only upon recommendation of the major department after the candidate has successfully completed all the

special work assigned in connection with honors and has successfully passed a general examination bearing on his major subject in the junior and senior years.

Any student whose work in the freshman and sophomore years, whether done in The George Washington University or elsewhere, is satisfactory in the opinion of his major department, and who spends his junior and senior years at The George Washington University, may become a candidate for Special Honors.

In addition to the course taken as a major for graduation, the candidate shall do such additional reading or other work in the junior and senior years as may be directed by the major department, and such work shall be tested and evaluated as the major department sees fit.

No student shall be awarded Special Honors unless he has a quality-point index of at least 3.00 on all work taken here, except for the grades of the semester immediately preceding the granting of the degree.

POOR SCHOLARSHIP

Probation. Students must maintain a quality-point index of at least 2.00 or they are placed on probation. Students remain on probation as long as they fail to attain this index.

Suspension. Students having a quality-point index below 1.00 or who are placed on probation for a third semester, whether successive or after an interval, are suspended.

Students suspended for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Admission and Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students suspended twice for poor scholarship are not readmitted. For the purpose of these rules, the Summer Sessions will be considered a semester.

In the case of students with limited schedules, these scholarship rules are applied only when the student has undertaken fifteen semester-hours or more.

AMOUNT OF WORK

Full-time students who are not on probation may take up to seventeen semester-hours.

Full-time students on the Honor Roll may take up to nineteen semester-hours.

Students employed more than twenty-four hours a week, who are not on probation, may take up to ten semester-hours.

THE DEGREE OF MASTER OF ARTS

CANDIDACY

A student is formally recognized as a candidate for the Master's degree only when his application for candidacy has been approved by the major department and the Dean. Applications are made on a form obtainable at the Office of the Registrar, and such applications must be approved before the student undertakes the second half of his work.

Before being admitted to candidacy the student must show a reading knowledge of at least one modern foreign language to be selected by the major department.

REQUIREMENTS FOR THE DEGREE

Candidates for the degree of Master of Arts must complete successfully thirty semester-hours of work forming a consistent plan of study. A thesis, counting six semester-hours of the above thirty semester-hours, may or may not be required at the discretion of the major department. At least eighteen semester-hours must be in the major subject, and at least eighteen semester-hours, including the major, must be taken in Columbian College. Not more than twelve semester-hours may be taken in the School of Medicine or in the Law School, but such work may not be counted towards both the Master's degree and a degree in Medicine or Law.

Courses may be elected from one, two, or three departments with the approval of the major department. The minimum amount of work in any one subject (not course) which may be counted is six semester-hours.

The program of study must include at least twelve semester-hours of third-group courses (numbered above 300), exclusive of the thesis, unless the major department gives written permission to count less.

In addition to the course examinations, candidates must pass a general final examination on the major subject. The examination may be either oral or written, or both.

Advanced work in other institutions of learning may be credited toward the Master's degree to the extent of not more than six semester-hours upon presentation of detailed certificates of the work for which credit is sought.

Work completed here, or elsewhere, more than three years prior to registration for the Master's degree, will be counted only if the candidate successfully passes an examination on the subject-matter of the work offered for credit.

Second-group courses (101-200) taken in the senior year of college may be counted, provided that the student shall notify the Dean of Columbian College at the beginning of such courses of his desire to count them, and provided that the student shall have done such extra work on the courses

as may be prescribed by the department concerned. No work counted towards the baccalaureate degree may be counted towards a Master's degree.

A student who expects to continue his studies for the degree of Doctor of Philosophy after receiving the Master's degree is strongly advised so to plan his program from the beginning that work for the lower degree may count for the higher.

RESIDENCE

A minimum of one year must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than twenty-seven weeks. Unless special permission has been granted by the Dean to pursue the work elsewhere, the last work before graduation must be completed in residence.

No credit is granted for work done in absentia, i.e., without formal instruction here or at some other institution of learning, except for the thesis, which may be completed in absentia with the permission of the department concerned.

GRADES

The following grades are given: *Satisfactory*, *Unsatisfactory*, and *Incomplete*. A grade of *Incomplete* must be made up within one calendar year, or else a grade of *Unsatisfactory* is assigned.

Grades are not given out by instructors, but are mailed to the student through the Office of the Registrar at the close of each semester.

THE THESIS

In case a thesis is required by the major department, it must be registered for not later than the beginning of the final year, unless the professor in charge of the thesis permits registration at the beginning of the final semester. For this purpose the nine weeks' term of the Summer Sessions is considered as a semester. The choice of the thesis subject must be approved by the professor in charge of the major and recorded in the Office of the Registrar by the date announced in the University calendar. The typewritten thesis in its final form must have the approval of the professor and must be presented to the Dean by the student not later than the date announced in the University calendar. Official thesis paper and binder may be obtained at the University Store Room in Stockton Hall.

The title-page of the thesis must be in the following form:

(title of thesis)
By (name of candidate)
(degrees held)

A thesis submitted to the Faculty of Columbian College of The George Washington University in part satisfaction of the requirements for the degree of Master of Arts.

(Date of Convocation at which the degree is to be conferred)

PENALTIES OF POOR SCHOLARSHIP

Students whose scholarship is unsatisfactory may be suspended upon recommendation of the major department to the Dean.

AMOUNT OF WORK

Full-time students in good standing may take up to seventeen semester-hours.

Students employed more than twenty-four hours a week may take up to ten semester-hours.

REGULATIONS

Students in Columbian College are subject to the University regulations as stated on pages 78-81.

ATTENDANCE

The student is held responsible for all the work of the courses in which he is registered, and all absences must be excused by the instructor in charge before provision is made for him to make up the work missed.

ELIGIBILITY FOR STUDENT ACTIVITIES

Students on probation may not represent the University on its athletic teams or in any other student activity, nor serve as a member of a committee or as an officer in any class or student organization.

Before a student may participate in any student activity or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

A student may be declared ineligible to participate in any student activity by the Dean of the College when, in the opinion of the Dean, the student's participation in such activity is or would be detrimental to his own best interests or the interests of the University.

APPLICATION FOR GRADUATION

Application for graduation must be filed at the Office of the Registrar not later than the date announced in the University calendar.

CLASSIFICATION OF STUDENTS

A student who holds a certificate of Junior Standing from the Junior College, or its equivalent from an accredited institution, and who has registered his major at the Office of the Registrar, is classed as a *junior*.

A student who has completed thirty semester-hours in Columbian College and who has completed at least one course in his major, is classed as a *senior*.

A student who has satisfactorily completed the work for the baccalaureate degree, and who has registered his major at the Office of the Registrar, is classed as a *master in course*.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

THE GRADUATE COUNCIL OF THE UNIVERSITY

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

The President of the University, *Acting Chairman of the Graduate Council.*

Charles Edward Hill, Ph.D., *Secretary of the Graduate Council.*

THE CHAIRMAN'S COUNCIL†

1932

Ray Smith Bassler

Robert Whitney Bolwell

James Henry Taylor

1933

Walter Lewis Moll

Dudley Wilson Willard

Paul Bartsch

1934

Earl Baldwin McKinley

Alva Curtis Wilgus

William Cabell Van Vleck

STAFF OF INSTRUCTION

William Allen Wilbur, A.M., Litt.D., LL.D., *Professor of English.*

Paul Bartsch, Ph.D., *Professor of Zoology.*

‡George Neely Henning, A.M., Litt.D., *Professor of Romance Languages.*

‡William Carl Ruediger, Ph.D., *Professor of Education.*

Ray Smith Bassler, Ph.D., *Professor of Geology.*

Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology and Pathology.*

DeWitt Clinton Croissant, Ph.D., *Professor of English.*

Truman Michelson, Ph.D., *Professor of Ethnology.*

Charles Edward Hill, Ph.D., *Professor of Political Science.*

Thomas Benjamin Brown, Ph.D., *Professor of Physics.*

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law.*

* Arranged, with the exception of the President, the Chairman, and the Secretary, on the basis of seniority.

† The President of the University and the Chairman of the Council are ex officio members of the committee.

‡ On sabbatical leave 1931-32.

- Henry Grattan Doyle, A.M., *Professor of Romance Languages.*
 Robert Fiske Griggs, Ph.D., *Professor of Botany.*
 John Donaldson, Ph.D., *Professor of Political Economy.*
 Joseph Hiram Roe, Ph.D., *Professor of Biochemistry.*
 Samuel Flagg Bemis, Ph.D., *Professor of History.*
 Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law.*
 Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*
 Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine.*
 Edward Henry Sehart, Ph.D., *Professor of German.*
 Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*
 Fred August Moss, Ph.D., M.D., *Professor of Psychology.*
 William Cullen French, Ph.D., *Professor of Education.*
 James Henry Taylor, Ph.D., *Professor of Mathematics.*
 Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*
 Dudley Wilson Willard, Ph.D., *Professor of Sociology.*
 Earl Baldwin McKinley, A.B., M.D., *Professor of Bacteriology.*
 William Jackson Humphreys, C.E., Ph.D., *Professorial Lecturer on Meteorological Physics.*
 Albert Spear Hitchcock, Sc.D., *Professorial Lecturer in Botany.*
 Neil Everett Stevens, Ph.D., *Professorial Lecturer in Botany.*
 Warren Reed West, Ph.D., *Associate Professor of Political Science.*
 Alva Curtis Wilgus, Ph.D., *Associate Professor of History.*
 Lowell Joseph Ragatz, Ph.D., *Associate Professor of History.*
 Ralph Edward Gibson, Ph.D., *Lecturer in Chemistry.*

GENERAL STATEMENT

ELECTION AND REGISTRATION

All students accepted as candidates for the degree of Doctor of Philosophy by the Graduate Council of the University will be elected as Fellows of the Council. In order to be elected as Fellow in the Council, students must make application to the Secretary of the Council and must present certificates of the degrees they hold. Before registering the Fellow must secure the written approval of his choice of subjects from the professor with whom he is to study and file this list with the Secretary of the Council. A blank for this purpose may be procured at the office of the Secretary.

FEES AND FINANCIAL REGULATIONS

For information regarding fees and financial regulations, see pages 63-67.

TEACHING FELLOWSHIPS AND LOAN FUNDS

Teaching fellowships are available in the Departments of Biology, Chemistry, Economics, English, History, Physics, and Psychology. Details regarding qualifications and application for these fellowships will be found on page 68.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The Graduate Council of the University confers only the degree of Doctor of Philosophy (Ph.D.).

CHOICE OF STUDIES

Fellows must in general choose their studies from one of the divisions enumerated below:

THE DIVISION OF LANGUAGES AND LITERATURES

The Department of Classical Languages and Literatures
The Department of English
The Department of Germanic Languages and Literatures
The Department of Romance Languages and Literatures

THE DIVISION OF MATHEMATICS AND THE PHYSICAL SCIENCES

The Department of Chemistry
The Department of Mathematics
The Department of Physics

THE DIVISION OF THE NATURAL SCIENCES

The Department of Botany
The Department of Geology and Geography
The Department of Psychology
The Department of Zoology

THE DIVISION OF THE SOCIAL SCIENCES

The Department of Anthropology
The Department of Economics
The Department of History
The Department of Philosophy
The Department of Political Science
The Department of Public Speaking
The Department of Sociology

COURSES FOR GRADUATE CREDIT

Third-group courses (above 200) are primarily for graduate students and may count toward higher degrees.

Second-group courses (101-200) may count toward a higher degree only when the candidate secures, at the time of registration, the written approval of the department concerned and completes the extra work required for graduate credit in such courses.

GUIDANCE OF FELLOWS

In the pursuit of his studies the Fellow shall be under the guidance of a professor assigned by the Chairman of the Graduate Council. This professor shall have power to determine what work the Fellow shall complete in regular courses or otherwise.

REQUIREMENTS FOR THE DEGREE

The degree of Doctor of Philosophy is conferred only upon Fellows who have acquired a broad and thorough knowledge of their field of learning, as evidenced by formal instruction received, and who have shown marked ability in original research in some particular branch of that field, as proved by the results set forth in their theses. Formal requirements of courses and residence, although essential, are wholly subordinate to the above principle.

The final year of candidacy shall be spent at The George Washington University unless permission is granted by the Graduate Council, on recommendation of the professor in charge of the Fellow's program, to spend it elsewhere. Such permission would not affect the necessity of the Fellow's taking his examinations here. In partial satisfaction of the residence requirements, the candidate, in addition to his research work, may have to follow regular courses to an amount prescribed by his professor.

The Fellow must have fulfilled the following requirements not later than November 1, if he expects to receive his degree the following June; and not later than May 1, if he expects to receive his degree the following February:

(a) He must have selected his thesis subject and have received the written approval of it from the Secretary of the Graduate Council.

(b) He must have satisfied the Departments of French and German that he can read understandingly in the original, French or German works pertaining to his special field, and he must have satisfied such other language requirements as his major department shall have prescribed. The language tests will be held October 15-November 1 and April 15-May 1, the exact date to be determined in conference between the student and the Executive Officers of the language departments concerned.

(c) He must have passed a general examination testing him for a comprehensive and thorough knowledge of his field of learning, to be conducted by a committee appointed by the Chairman of the Graduate Council from the members of a division of the University. This examination shall consist of two parts, one oral and one written. The questions and answers to the written examination shall be sent to the Secretary of the Graduate Council and shall form part of the Fellow's file.

THE DOCTORAL THESIS

Not later than the date specified in the University calendar, the candidate for the degree of Doctor of Philosophy shall submit a typewritten copy of his thesis and also a typewritten summary of the thesis consisting of not more than 2,500 words. The summaries of accepted theses will be printed in a volume forming a number of the University Bulletin. The successful candidate for the Doctor's degree is required to pay, before receiving his degree, a fee of \$50.00 to cover the expense of printing the summary of his thesis.

All theses for the Doctor's degree must, in their final form, be presented by the Fellow to the Secretary of the Graduate Council by the dates announced in the University calendar. They must previously have been typewritten on official thesis paper and bound. Paper and binder may be obtained from the University Store Room in Stockton Hall.

The title-page of the thesis must read as follows:

(title of thesis)
By (name of candidate)
(degrees held)

A thesis submitted to the Faculty of the Graduate Council of The George Washington University in part satisfaction of the requirements for the degree of Doctor of Philosophy.

(Date of Convocation at which the degree is to be conferred)

The Secretary will present the theses to the chairman of the committee on candidates. Accepted theses, with their accompanying drawings, are the property of the University and will be deposited in the University Library, but the authors of them are permitted to make copies.

Fellows who have received the degree of Doctor of Philosophy are urged to print their theses in full if possible.

REGULATIONS

Fellows in the Graduate Council of the University are subject to the general University regulations as stated on pages 78-81.

GRADES

The following grades are given: *Satisfactory; Unsatisfactory; Incomplete.*

The grade *Incomplete* is temporary, and if the required work in the course in question is completed within a year of the receipt of this grade, a final grade is given. If the work is not completed within the time specified, no credit is given, unless a longer time is allowed by the instructor and approved by the Chairman of the Graduate Council. Except in such instances, no grades are changed.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

THE SCHOOL OF MEDICINE

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

Earl Baldwin McKinley, A.B., M.D., *Dean of the School of Medicine.*

Oscar Benwood Hunter, A.M., M.D., *Assistant Dean in the School of Medicine; in charge of the Hospital Division.*

Walter Andrew Bloedorn, A.M., M.D., *Assistant Dean in the School of Medicine; in charge of the Clinical Division.*

Joseph Hiram Roe, Ph.D., *Assistant Dean in the School of Medicine; in charge of the Preclinical Division.*

COMMITTEES†

EXECUTIVE COMMITTEE

Earl Baldwin McKinley, *Chairman*

Walter Andrew Bloedorn

William Johnston Mallory

Oscar Benwood Hunter

Joseph Hiram Roe

THE DEAN'S COUNCIL

Walter Andrew Bloedorn

George Bain Jenkins

Leslie Howson French

Huron Willis Lawson

Oscar Benwood Hunter

Joseph Hiram Roe

George Byron Roth

Charles Stanley White

William Johnston Mallory

CLINICAL COMMITTEE

Walter Andrew Bloedorn, *Chairman*

Huron Willis Lawson

William Johnston Mallory

Charles Stanley White

John Alton Reed

PRECLINICAL COMMITTEE

Joseph Hiram Roe, *Chairman*

George Bain Jenkins

George Byron Roth

Oscar Benwood Hunter

Leslie Howson French

* Arranged, with the exception of the President, the Dean, and the Assistant Deans, on the basis of seniority.

† The President of the University and the Dean of the School of Medicine are ex officio members of all committees.

STAFF OF INSTRUCTION

- William Alanson White, A.M., M.D., *Professor of Psychiatry.*
Francis Randall Hagner, M.D., *Professor of Urology.*
Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology and Pathology.*
Huron Willis Lawson, M.S., M.D., *Professor of Obstetrics and Gynecology.*
Custis Lee Hall, M.D., *Professor of Orthopedic Surgery.*
William Thornwall Davis, M.D., *Professor of Ophthalmology.*
George Bain Jenkins, M.D., *Professor of Anatomy.*
Joseph Hiram Roe, Ph.D., *Professor of Biochemistry.*
Harry Hampton Donnally, A.M., M.D., *Professor of Pediatrics.*
William Johnston Mallory, A.M., M.D., *Professor of Medicine.*
George Byron Roth, A.M., M.D., *Professor of Pharmacology.*
Charles Augustus Simpson, M.D., *Professor of Dermatology.*
Walter Freeman, M.S., M.D., *Professor of Neurology.*
Leslie Howson French, M.D., *Professor of Physiology.*
Coursen Baxter Conklin, A.M., M.D., *Professor of Physical Diagnosis.*
Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine.*
Charles Stanley White, M.D., *Professor of Surgery.*
Daniel LeRay Borden, A.M., M.D., *Professor of Surgery.*
Cline N. Chipman, M.D., *Professor of Anesthesia.*
Joseph Burton Glenn, M.D., *Professor of Materia Medica and Therapeutics.*
William Olendorf Wetmore, M.D., Major, Medical Corps, United States Army, *Professor of Military Science and Tactics.*
John Joseph Shugrue, B.S., M.D., *Professor of Neurological Surgery.*
Claude Moore, M.D., *Professor of Roentgenology.*
Earl Baldwin McKinley, A.B., M.D., *Professor of Bacteriology.*
Franklin Forman Murdoch, M.D., *Professor of Tropical Medicine.*
Aurelius Rives Shands, M.D., *Clinical Professor of Orthopedic Surgery.*
Arthur Carlisle Christie, M.S., M.D., *Clinical Professor of Roentgenology.*
Henry Walper Kearney, M.D., *Clinical Professor of Anesthesia.*
Nolan Don Charpentier Lewis, M.D., *Clinical Professor of Psychiatry.*
Henry Cook Macatee, M.D., *Clinical Professor of Medicine.*
Harry Hyland Kerr, M.D.C.M., *Clinical Professor of Surgery.*
Thomas Allen Groover, M.D., Sc.D., *Clinical Professor of Roentgenology.*
Harry Alfred Ong, M.D., *Clinical Professor of Pediatrics.*
Howard Francis Kane, A.B., M.D., *Clinical Professor of Obstetrics.*

- Elijah White Titus, Ph.D., M.D., *Clinical Professor of Gynecology.*
Roscoe Willis Hall, Ph.B., M.D., *Clinical Professor of Psychiatry.*
William Berry Marbury, M.D., *Clinical Professor of Surgery.*
Charles Robert Lee Halley, A.B., M.D., *Clinical Professor of Medicine.*
Frederick August Reuter, M.D., *Clinical Professor of Urology.*
James Fernandez Mitchell, A.B., M.D., *Clinical Professor of Surgery.*
Thomas Sim Lee, A.M., M.D., *Clinical Professor of Medicine.*
Homer Gifford Fuller, Ph.B., M.D., *Clinical Professor of Urology.*
Joseph Borrowes Bogan, M.D., *Clinical Professor of Anesthesia.*
Charles Wilbur Hyde, M.D., *Clinical Professor of Anesthesia.*
Thomas Edwin Neill, M.D., *Clinical Professor of Gynecology.*
Richard Lee Silvester, M.S., M.D., *Clinical Professor of Obstetrics.*
Leslie Tracy Gager, A.B., M.D., *Clinical Professor of Medicine.*
Joseph Winthrop Peabody, M.D., *Clinical Professor of Medicine.*
Frank Adelbert Hornaday, M.S., M.D., *Clinical Professor of Medicine.*
William Hite Hough, Ph.D., M.D., *Clinical Professor of Syphilology.*
Harry Marx Kaufman, A.B., M.D., *Clinical Professor of Medicine.*
Jacob Kotz, M.D., *Clinical Professor of Gynecology.*
Fred August Moss, Ph.D., M.D., *Clinical Professor of Neuro-psychiatry.*
Paul Sterling Putzki, M.D., *Clinical Professor of Surgery.*
John Alton Reed, A.B., M.D., *Clinical Professor of Medicine.*
Arch Lockhart Riddick, A.B., M.D., *Clinical Professor of Surgery.*
Guy Whitman Leadbetter, B.S., M.D., *Clinical Professor of Surgery.*
William Warren Sager, M.S., M.D., *Clinical Professor of Surgery.*
Albert Perkins Tibbets, A.B., M.D., *Clinical Professor of Otolaryngology.*
Karl H. Langenstrass, M.D., *Professorial Lecturer on Neuro-pathology.*
James Holmes Defendorf, A.M., *Associate Professor of Pharmacology.*
Oliver John Irish, M.S., *Associate Professor of Biochemistry.*
George Joseph Brilmyer, M.S., M.D., *Associate Professor of Pathology.*
William Binford King, A.M., M.D., *Associate Professor of Anatomy.*
Othmar Charles Solnitzky, Ph.D., M.D., *Associate Professor of Anatomy.*
Clift Palsgrove Berger, A.M., *Associate Professor of Bacteriology.*
Roger Morrison Choisser, B.S., M.D., *Associate Professor of Bacteriology and Pathology.*
Harold Albert Craft, M.S., *Assistant Professor of Biochemistry.*
Leon Stuart Gordon, A.M., M.D., *Assistant Professor of Pathology.*
Otto Nellis Warner, M.D., *Associate in Anesthesia.*

- Harry Saul Bernton, A.B., M.D., *Associate in Medicine.*
Watson William Eldridge, M.D., *Associate in Medicine.*
Preston Alexander McLendon, B.S., M.D., *Associate in Pediatrics.*
Ralph Stevens Pendexter, LL.B., M.D., *Associate in Ophthalmology.*
John Hugh Lyons, M.S., M.D., *Associate in Surgery.*
Francis George Speidel, M.D., *Associate in Anesthesia.*
Paul J. Ewerhardt, M.D., *Associate in Psychiatry.*
John Edward Lind, M.D., *Associate in Psychiatry.*
Harriet Elizabeth Twombly, A.B., M.D., *Associate in Psychiatry.*
Everett Monroe Ellison, Ph.D., M.D., *Clinical Associate in Medicine.*
Edward Lewis, M.D., *Clinical Associate in Pediatrics.*
John Minor, A.B., M.D., *Clinical Associate in Medicine.*
Herbert Hermann Schoenfeld, M.D., *Clinical Associate in Surgery.*
Henry Luran Darner, A.B., M.D., *Clinical Associate in Gynecology.*
Harry Ford Anderson, M.D., *Clinical Associate in Dermatology.*
Archibald Barklie Coulter, A.B., M.D., *Clinical Associate in Medicine.*
Harold Walter Krogh, D.D.S., *Clinical Associate in Dental Surgery.*
Lyle Millan Mason, M.D., *Clinical Associate in Urology.*
Maurice Protas, A.B., M.D., *Clinical Associate in Medicine.*
Isaac Silverman, M.D., *Clinical Associate in Psychiatry.*
Herman Solomon Hoffman, A.B., M.D., *Clinical Associate in Medicine.*
James Alexander Lyon, M.D., *Clinical Associate in Medicine.*
John Paul Earnest, jr., A.B., M.D., *Lecturer on Medical Jurisprudence.*
Grafton Tyler Brown, B.S., M.D., *Lecturer on Allergy.*
Jesse Thomas Mann, M.D., *Instructor in Anesthesia.*
William Franklin Sheridan, A.B., *Instructor in Pathology.*
Edward Ballard Broocks, M.D., *Instructor in Pediatrics.*
Joseph Kreiselman, M.D., *Instructor in Anesthesia.*
Eugene Lyman LeMerle, D.D.S., M.D., *Instructor in Anesthesia.*
Joseph Harris, A.B., M.D., *Instructor in Obstetrics.*
Charles Rosenberg, M.S., *Instructor in Bacteriology.*
George Dewey, M.D., *Instructor in Physical Diagnosis.*
William LeRoy Dunn, A.M., M.D., *Instructor in Physical Diagnosis.*
Margaret Mary Nicholson, A.B., M.D., *Instructor in Pediatrics.*
Philip O. Pelland, M.D., *Instructor in Surgery.*
William Francis Simpson, B.S., *Instructor in Bacteriology.*

- John Ogle Warfield, jr., A.M., M.D., *Instructor in Surgery.*
Myron C. Waddell, M.S., *Instructor in Anatomy.*
Virgil B. Jackson, M.D., *Clinical Instructor in Gynecology.*
Boyce Richardson Bolton, M.D., *Clinical Instructor in Otolaryngology.*
Charles Berger Campbell, Phar.D., M.D., *Clinical Instructor in Dermatology.*
Frank Louis Williman, B.S., M.D., *Clinical Instructor in Medicine.*
Benjamin Franklin Dean, jr., M.D., *Clinical Instructor in Surgery.*
Richard Laurens DeSaussure, M.D., *Clinical Instructor in Otolaryngology.*
James McNellidge Fadeley, M.D., *Clinical Instructor in Urology.*
William Dennis Goodman, M.D., *Clinical Instructor in Urology.*
Edward Richard Gookin, M.D., *Clinical Instructor in Ophthalmology.*
Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery.*
Myer Jerome Herschman, M.D., *Clinical Instructor in Urology.*
Helen Gladys Kain, B.S., M.D., *Clinical Instructor in Gynecology.*
Herman Eugene Kittredge, M.D., *Clinical Instructor in Dermatology.*
Daniel Bruce Moffett, A.B., M.D., *Clinical Instructor in Otolaryngology.*
Benjamin Newhouse, M.D., *Clinical Instructor in Urology.*
George Nordlinger, A.B., M.D., *Clinical Instructor in Obstetrics.*
Hyman David Shapiro, M.D., *Clinical Instructor in Medicine.*
Charles Otterbein Knott, M.D., *Clinical Instructor in Urology.*
LeRoy Lee Sawyer, jr., A.B., M.D., *Clinical Instructor in Otolaryngology.*
Laurence Lee Cockerille, M.D., *Clinical Instructor in Obstetrics.*
David Davis, A.B., M.D., *Clinical Instructor in Bronchoscopy.*
Aubrey David Fischer, M.D., *Clinical Instructor in Otolaryngology.*
Edward Jacob Grass, A.B., M.D., *Clinical Instructor in Medicine.*
James Houston Hawfield, M.D., *Clinical Instructor in Surgery.*
Bernard Lipscomb Jarman, M.D., *Clinical Instructor in Otolaryngology.*
Henry John Russell McNitt, B.S., M.D., *Clinical Instructor in Obstetrics.*
Herbert Percy Ramsey, A.B., M.D., *Clinical Instructor in Gynecology.*
Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery.*
William Raymond Thomas, M.D., *Clinical Instructor in Obstetrics.*
George William Creswell, A.B., M.D., *Clinical Instructor in Medicine.*
Don R. Johnson, LL.B., M.D., *Clinical Instructor in Otolaryngology.*
Don Sweet Knowlton, B.S., M.D., *Clinical Instructor in Otolaryngology.*
Frank Marks McChesney, M.D., *Clinical Instructor in Anesthesia.*
Edward Bailey Macon, M.D., *Clinical Instructor in Anesthesia.*

- Nicholas Athanasiou Mandelos, M.D., *Clinical Instructor in Medicine.*
Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Gynecology.*
Aaron Nimetz, A.B., M.D., *Clinical Instructor in Pediatrics.*
Bernard Notes, M.D., *Clinical Instructor in Obstetrics.*
Miles Parker Omohundro, M.D., *Clinical Instructor in Urology.*
Charles Aurelius Schutz, M.D., *Clinical Instructor in Pediatrics.*
Howard Lee Smith, M.D., *Clinical Instructor in Surgery.*
Katharine Godfrey Symmonds, A.B., M.D., *Clinical Instructor in Pediatrics.*
Richard Knight Thompson, D.D.S., *Clinical Instructor in Dental Surgery.*
Thomas Carlton Thompson, B.S., M.D., *Clinical Instructor in Urology.*
Norvell Belt, A.B., M.D., *Clinical Instructor in Medicine.*
Charles Louis Billard, M.D., *Clinical Instructor in Ophthalmology.*
William Thompson Burch, M.D., *Clinical Instructor in Bronchoscopy.*
Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery.*
Alan Jeffries Chenery, M.D., *Clinical Instructor in Urology.*
Elizabeth Emery Chickering, M.D., *Clinical Instructor in Anesthesia.*
Hazen Eugene Cole, M.D., *Clinical Instructor in Surgery.*
Harry Friedenberg, A.B., M.D., *Clinical Instructor in Physical Diagnosis.*
Frank Edward Gantz, M.D., *Clinical Instructor in Gynecology.*
William Preston Haynes, A.B., M.D., *Clinical Instructor in Obstetrics.*
Clayton Howard Hixson, M.D., *Clinical Instructor in Obstetrics.*
Harry Kaplan, D.D.S., *Clinical Instructor in Dental Surgery.*
Raphael Manganaro, B.S., M.D., *Clinical Instructor in Medicine.*
Joseph Ernest Mitchell, M.D., *Clinical Instructor in Urology.*
John Frederick Moore, B.S., M.D., *Clinical Instructor in Medicine.*
George Victor Simpson, M.D., *Clinical Instructor in Ophthalmology.*
Emil Henry Sloan, D.D.S., *Clinical Instructor in Dental Surgery.*
James Alexander Smart, M.D., *Clinical Instructor in Otolaryngology.*
William J. Snow, B.S., M.D., *Clinical Instructor in Ophthalmology.*
Xaverius Charles Suraci, M.D., *Clinical Instructor in Anesthesia.*
E. Osmun Barr, M.D., *Clinical Instructor in Surgery.*
Frederick Leslie Benton, A.M., M.D., Sc.D., *Clinical Instructor in Ophthalmology.*
Irving Brotman, M.D., *Clinical Instructor in Medicine.*
Elliott Muse Campbell, M.D., *Clinical Instructor in Surgery.*
William Wiley Chase, A.B., M.D., *Clinical Instructor in Surgery.*
Jerry Keith Cromer, M.D., *Clinical Instructor in Medicine.*

- John Carl Eckhardt, M.D., *Clinical Instructor in Pediatrics.*
 Edmund Murdaugh Ellerson, M.D., *Clinical Instructor in Obstetrics.*
 Daniel Leo Finucane, B.S., M.D., *Clinical Instructor in Medicine.*
 Frederick Coleman Fishback, M.D., *Clinical Instructor in Surgery.*
 Stuart Oliver Foster, A.B., M.D., *Clinical Instructor in Medicine.*
 Vincent Clarence Gould, M.D., *Clinical Instructor in Medicine.*
 Robert Howe Harmon, A.B., M.D., *Clinical Instructor in Medicine.*
 Valentine Martin Hess, M.D., *Clinical Instructor in Surgery.*
 Alec Horwitz, M.S., M.D., *Clinical Instructor in Surgery.*
 Charles Perry Howze, M.D., *Clinical Instructor in Urology.*
 Russel Jon Jansen, M.D., *Clinical Instructor in Obstetrics.*
 Wilford Nephi Johannessen, D.D.S., *Clinical Instructor in Dental Surgery.*
 Harry Arnold Hull McNitt, A.M., M.D., *Clinical Instructor in Medicine.*
 William Dulaney Monroe, jr., D.D.S., *Clinical Instructor in Oral Surgery.*
 Julius S. Neviasser, A.B., M.D., *Clinical Instructor in Orthopedic Surgery.*
 George Harrison Nixon, M.S., M.D., *Clinical Instructor in Medicine.*
 Gilbert Ottenberg, M.D., *Clinical Instructor in Urology.*
 Winifred Richmond, Ph.D., M.D., *Clinical Instructor in Psychiatry.*
 Ernest Alfred Watson Sheppard, M.D.C.M., *Clinical Instructor in Ophthalmology.*
 Walter Raymond Stokes, LL.B., M.D., *Clinical Instructor in Surgery.*
 Samuel Ross Taggart, M.D., *Clinical Instructor in Surgery.*
 Lyman Brooks Tibbets, Phar.D., M.D., *Clinical Instructor in Otolaryngology.*
 John H. Trinder, M.D., *Clinical Instructor in Otolaryngology.*
 Marvin McDugald McLean, M.D., *Clinical Instructor in Medicine.*
 James Hiram Rolls, M.D., *Clinical Instructor in Medicine.*

THE STAFF OF THE GEORGE WASHINGTON UNIVERSITY HOSPITAL AND DISPENSARY

COMMITTEES

EXECUTIVE COMMITTEE

- Oscar Benwood Hunter, M.D., *Chairman*
 William Johnston Mallory, M.D. Huron Willis Lawson, M.D.
 Charles Stanley White, M.D. Walter Andrew Bloedorn, M.D.
 Anna Elizabeth Sellner, *Secretary to the Committee*

ADVISORY COMMITTEE

Oscar Benwood Hunter, M.D., *Chairman*
William Johnston Mallory, M.D. Huron Willis Lawson, M.D.
Charles Stanley White, M.D. Walter Andrew Bloedorn, M.D.
Joseph Hiram Roe, Ph.D.

HOSPITAL DIVISION

CONSULTANTS

Francis Randall Hagner, M.D., *Urology.*
Harry Hampton Donnally, M.D., *Pediatrics.*
Harry Hyland Kerr, M.D., *Neuro-surgery.*
Walter Andrew Bloedorn, M.D., *Medicine.*

DEPARTMENT OF MEDICINE

GENERAL MEDICINE

William Johnston Mallory, M.D., *Chief of Medical Staff.*
Frank Adelbert Hornaday, M.D., *Visiting Physician.*
John Alton Reed, M.D., *Visiting Physician.*
Leslie Tracy Gager, M.D., *Visiting Physician.*
Hyman David Shapiro, M.D., *Visiting Physician.*
Harry Arnold Hull McNitt, M.D., *Associate Visiting Physician.*
Herman Solomon Hoffman, M.D., *Associate Visiting Physician.*
Nicholas Athanasiou Mandelos, M.D., *Associate Visiting Physician.*
Maurice Protas, M.D., *Associate Visiting Physician.*

DERMATOLOGY

Charles Augustus Simpson, M.D., *Dermatologist.*
Charles Berger Campbell, M.D., *Associate Dermatologist.*

SYPHILOLOGY

Charles Robert Lee Halley, M.D., *Visiting Physician.*

NEURO-PSYCHIATRY

Walter Freeman, M.D., *Neuro-pathologist*

DEPARTMENT OF SURGERY

GENERAL SURGERY

Charles Stanley White, M.D., *Executive Officer.*
Daniel LeRay Borden, M.D., *Visiting Surgeon.*
Paul Sterling Putzki, M.D., *Visiting Surgeon.*
Arch Lockhart Riddick, M.D., *Visiting Surgeon.*
William Warren Sager, M.D., *Visiting Surgeon.*
Frederick Coleman Fishback, M.D., *Associate Visiting Surgeon.*
Howard Lee Smith, M.D., *Associate Visiting Surgeon.*
William Wiley Chase, M.D., *Associate Visiting Surgeon.*
Alec Horwitz, M.D., *Associate Visiting Surgeon.*

UROLOGY

Frederick August Reuter, M.D., *Visiting Urologist.*
Lyle Millan Mason, M.D., *Associate Visiting Urologist.*
Thomas Carlton Thompson, M.D., *Associate Visiting Urologist.*
Miles Parker Omohundro, M.D., *Associate Visiting Urologist.*
Charles Perry Howze, M.D., *Associate Visiting Urologist.*

ORTHOPEDICS

Custis Lee Hall, M.D., *Visiting Orthopedist.*
Guy Whitman Leadbetter, M.D., *Visiting Orthopedist.*
Philip O. Pelland, M.D., *Associate Visiting Orthopedist.*

OPHTHALMOLOGY

William Thornwall Davis, M.D., *Visiting Ophthalmologist.*
Ralph Stevens Pendexter, M.D., *Associate Visiting Ophthalmologist.*
Edward Richard Gookin, M.D., *Associate Visiting Ophthalmologist.*
Frederick Leslie Benton, M.D., *Associate Visiting Ophthalmologist.*

OTOLARYNGOLOGY

Albert Perkins Tibbets, M.D., *Visiting Surgeon.*
Don R. Johnson, M.D., *Associate Visiting Surgeon.*
Aubrey David Fischer, M.D., *Associate Visiting Surgeon.*
Don Sweet Knowlton, M.D., *Associate Visiting Surgeon.*

NEURO-SURGERY

John Joseph Shugrue, M.D., *Visiting Surgeon.*
Herbert Hermann Schoenfeld, M.D., *Associate Visiting Surgeon.*

BRONCHOSCOPY

David Davis, M.D., *Visiting Surgeon.*

William Thompson Burch, M.D., *Associate Visiting Surgeon.*

PROCTOLOGY

Benjamin Franklin Dean, jr., M.D., *Visiting Surgeon.*

ANESTHESIA

Cline N. Chipman, M.D., *Visiting Anesthetist.*

Charles Wilbur Hyde, M.D., *Associate Visiting Anesthetist.*

Francis George Speidel, M.D., *Associate Visiting Anesthetist.*

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Huron Willis Lawson, M.D., *Executive Officer.*

Howard Francis Kane, M.D., *Visiting Obstetrician.*

William Preston Haynes, M.D., *Visiting Obstetrician.*

Elijah White Titus, M.D., *Visiting Gynecologist.*

Jacob Kotz, M.D., *Visiting Gynecologist.*

Bernard Notes, M.D., *Associate Visiting Obstetrician.*

William Raymond Thomas, M.D., *Associate Visiting Obstetrician.*

Herbert Percy Ramsey, M.D., *Associate Visiting Gynecologist.*

Henry John Russell McNitt, M.D., *Associate Visiting Gynecologist.*

DENTISTRY

Harold Walter Krogh, D.D.S., *Visiting Dental Surgeon.*

Richard Knight Thompson, D.D.S., *Associate Visiting Dental Surgeon.*

UNASSIGNED STAFF, 1930-31

John Paul Earnest, jr., M.D., *General Medicine.*

Homer Gifford Fuller, M.D., *Urology.*

William LeRoy Dunn, M.D., *General Medicine.*

LABORATORIES

ROENTGENOLOGY

Claude Moore, M.D., *Roentgenologist.*

PATHOLOGY AND BACTERIOLOGY

Oscar Benwood Hunter, M.D., *Pathologist.*
Roger Morrison Choisser, M.D., *Associate Pathologist.*
George Joseph Brilmyer, M.D., *Associate Pathologist.*
Leon Stuart Gordon, M.D., *Associate Pathologist.*
Clift Palsgrove Berger, A.M., *Associate Bacteriologist.*

PHYSIOLOGY

Leslie Howson French, M.D., *Physiologist.*

CHEMISTRY

Joseph Hiram Roe, Ph.D., *Chemist.*
Oliver John Irish, M.S., *Associate Chemist.*
Harold Albert Craft, M.S., *Associate Chemist.*

LABORATORY TECHNICIANS

William Franklin Sheridan

Mattie P inney

SCHOOL OF NURSING

Ella Ida Gibson, R.N., *Superintendent of Nurses.*
Melissa Ervilla Chamberlain, R.N., *Assistant Superintendent of Nurses.*
Lucille C. Brunner, R.N., *Practical Instructor.*
Eleanor Morrow Schwinn, R.N., *Operating Room Supervisor.*
Mary Lillian Turner, R.N., *Obstetrical Supervisor.*
Edna Roberta Sprecher, R.N., *Ward Supervisor.*
Cymbeline Marie Hammell, R.N., *Ward Supervisor.*
Anne L. Reisinger, R.N., *Ward Supervisor.*
Laura F. Sandres, R.N., *Night Supervisor.*
Helen Pauline Swanson, *Stenographer-Clerk.*

RESIDENT STAFF

Jerry Keith Cromer, M.D., *Resident Physician.*
Nat Joseph Wilson, M.D., *Intern.*
Bennett A. Stoen, M.D., *Intern.*
Aron Schwartzman, M.D., *Intern.*
Hester Beck Searle, M.D., *Intern.*

HOSPITAL STAFF CONFERENCES

Charles Stanley White, M.D., *Chairman.*Jerry Keith Cromer, M.D., *Secretary.*

ADMINISTRATION

Jason David Byers, *Superintendent of the Hospital.*Elizabeth Lindsey Miller, *Secretary to the Superintendent.*Margaret Scruggs French, *Record Librarian.*Ethel Markley, *Cashier-Bookkeeper.*Verna Day, *Assistant Cashier-Bookkeeper.*Mervin W. Glover, *Clerk.*Martha W. Long, *Housekeeper.*Mary E. Young, *Nurses' Home Matron.*

TECHNICAL ASSISTANTS

Mary Holden Philbrick, *Dietitian.*Greta Irene Massey, *Assistant Dietitian.*Henry Parker Hill, *Pharmacist.*

DISPENSARY DIVISION

John Alton Reed, M.D., *Director of the Dispensary.*Herman Solomon Hoffman, M.D., *Assistant Director of the Dispensary.*Mary Elizabeth Lewallen, *Dispensary Clerk.*

DEPARTMENT OF MEDICINE

Herman Solomon Hoffman, M.D.

Nicholas Mandelos, M.D.

Frank Louis Williman, M.D.

Harry Arnold Hull McNitt, M.D.

Everett Monroe Ellison, M.D.

Vincent Clarence Gould, M.D.

Maurice Protas, M.D.

Stuart Oliver Foster, M.D.

Robert Howe Harmon, M.D.

DIABETES

Frank Adelbert Hornaday, M.D.

Maurice Protas, M.D.

GASTRO-ENTEROLOGY

Harry Friedenberg, M.D.

CARDIOLOGY

Leslie Tracy Gager, M.D.

NEURO-PSYCHIATRY

Hyman David Shapiro, M.D.

DERMATOLOGY

Charles Berger Campbell, M.D.

SYPHILOLOGY

Charles Robert Lee Halley, M.D. Charles Otterbein Knott, M.D.
George William Creswell, M.D.

DEPARTMENT OF SURGERY

GENERAL SURGERY

Stewart Maxwell Grayson, M.D. Howard Lee Smith, M.D.
Frank Edward Gantz, M.D. William Wiley Chase, M.D.
Frederick Coleman Fishback, M.D. Alec Horwitz, M.D.
Samuel Ross Taggart, M.D.

UROLOGY

Frederick August Reuter, M.D. Miles Parker Omohundro, M.D.
Lyle Millan Mason, M.D. Charles Perry Howze, M.D.
Thomas Carlton Thompson, M.D. Gilbert Ottenberg, M.D.
Walter Raymond Stokes, M.D.

ORTHOPEDICS

Philip O. Pelland, M.D.

OTOLARYNGOLOGY

Albert Perkins Tibbets, M.D. Don R. Johnson, M.D.
Richard Laurens DeSaussure, M.D. John H. Trinder, M.D.

BRONCHOSCOPY

David Davis, M.D. William Thompson Burch, M.D.

PROCTOLOGY

Benjamin Franklin Dean, jr., M.D.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Henry John Russell McNitt, M.D.	Herbert Percy Ramsey, M.D.
Esther Alsylvia Nathanson, M.D.	Helen Gladys Kain, M.D.
Bernard Notes, M.D.	William Raymond Thomas, M.D.
Clayton Howard Hixson, M.D.	

ROENTGENOLOGY

Claude Moore, M.D., *Roentgenologist*

DENTISTRY

Harold Walter Krogh, D.D.S.	Harry Kaplan, D.D.S.
Emil Henry Sloan, D.D.S.	William N. Johannessen, D.D.S.

CLINICAL LABORATORY

George Joseph Brilmyer, M.D.	Mattie Pinney, <i>Technician</i>
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MEDICAL BUILDING STAFF

Anna Elizabeth Sellner, *Secretary to the Dean.*
 Oscar Benwood Hunter, A.M., M.D., *Curator of the Museum.*
 William Franklin Sheridan, A.B., *Assistant Curator.*
 William Binford King, A.B., M.D., *Librarian.*
 Katherine Breen, *Assistant Librarian.*
 Francis Edward Thuney, *Superintendent.*

GENERAL STATEMENT

INTRODUCTORY

HISTORY

The School of Medicine of The George Washington University began in March, 1825. It is the eleventh medical school established in the United States.

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the organization of the School of Medicine.

EDUCATIONAL STANDING

The School of Medicine of the University is a member of the Association of American Medical Colleges and is one of the medical colleges which

has been designated continuously as "class A" by the American Medical Association. The degrees of the School of Medicine are recognized by all State examining boards. It is one of the medical schools selected by the Secretary of War to maintain a Reserve Officers' Training Corps Unit, and it is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

LOCATION AND ITS ADVANTAGES

The city of Washington, with more than a half-million inhabitants, provides abundant clinical material. The University Hospital and Dispensary furnish clinical facilities and a large proportion of the materials studied in the courses in Pathology, Clinical Chemistry, and Microscopy.

The Library of the Surgeon General's Office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library, as well as the Library of Congress, the Public Library, and the many excellent libraries of the various Government departments, is open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequalled by any other museum in this country. The Museum of Hygiene, the National Museum, the Smithsonian Institution, the Botanic Gardens, and the Department of Agriculture, all afford opportunities for study in Medicine and its collateral sciences.

Aside from the special advantages offered for the study of Medicine, the cosmopolitan character of the city of Washington, its mild climate, its beauty, and its broad interests as the seat of the National Government, make it an ideal place for a medical student to pass four years of study.

EQUIPMENT

Medical School Building. The building housing the School of Medicine is a modern, five-story structure with lecture and classrooms, laboratories, and students' rooms, equipped with modern improvements.

Laboratories. The major laboratories are five in number—for Anatomy, Biochemistry and Clinical Chemistry, Histology and Embryology, Physiology and Pharmacology, and Bacteriology and Pathology. They are fully equipped to enable students to pursue adequately the laboratory courses and acquire the technical skill necessary in modern clinical and research work.

Medical Library. The Library, with a librarian in charge, is open for study and reading from 9.00 a.m. to 4.00 p.m. It contains a selected reference collection of 2,500 volumes, and provision is made to add to it

the important new medical works. The standard medical periodicals are regularly received.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers.

CLINICAL FACILITIES

The University Hospital and the University Dispensary. The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of the School of Medicine, are entirely controlled by the Faculty of Medicine, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually. The Faculty believes that clinical teaching should be as thoroughly systematized as is the teaching in the laboratories. To this end, all clinics are under the supervision of the Assistant Dean assigned to the Clinical Division. This insures the highest possible utilization of available clinical material for teaching purposes and proper supervision of clinicians and students; it brings the individual student into direct contact with patients and requires him to do under authoritative supervision the clinical and laboratory work necessary for diagnosis and treatment; and it permits proper interpretation of the conditions occurring during the progress of cases and promotes the keeping of adequate records. Clinical and clinicopathological conferences are held in which the history of cases, the physical findings, laboratory records, and the post-mortem pathology when available, are presented and correlated. The Assistant Dean of the Clinical Division assigns the students to the different clinics, supervises the records, the attendance, and the instruction of students. Third-year students are assigned in rotation by sections for clinical instruction in the Dispensary.

Gallinger Municipal Hospital (Municipal Hospital of the District of Columbia). Clinical instruction is available in all branches of Medicine. A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District of Columbia, whereby one half of the patients—upwards of a thousand in number—are assigned for treatment and clinical teaching to members of the Faculty of this School, nominated by this University.

Casualty Hospital. Clinical Pathology.

Children's Hospital. Clinical instruction in Pediatrics and General and Orthopedic Surgery.

Emergency Hospital and Central Dispensary. Clinical instruction in Medicine, Surgery—particularly in emergency surgery, fractures and dislocations, Dermatology and Orthopedics.

Garfield Memorial Hospital. Clinical instruction in Medicine, including contagious diseases, Surgery, Gynecology, and Obstetrics.

Providence Hospital. Clinical instruction in Medicine and Surgery.

St. Elizabeth's Hospital. Clinical instruction in mental and nervous diseases, Medicine, Surgery, post-mortem work, and Gross Pathology. This hospital, with four thousand beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the country.

The Episcopal Eye, Ear, Nose, and Throat Hospital. Clinical instruction in Ophthalmology, Otology, Laryngology, and Rhinology.

Tuberculosis Hospital. Clinical instruction in tuberculosis in all its phases, both medical and surgical.

MEDICAL UNIT, RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the Unit.

The object of the Reserve Officers' Training Corps is to give to students special training which will fit them to become, upon graduation, officers in the Medical Section of the Reserve Corps of the Army if they so desire. The work of this department is both military and professional, and a great portion of it will be found applicable to civil practice, so that even a graduate who never elects active duty will find value in the time given to the subjects covered.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced. The basic course is given in the first and second years, and the advanced course in the third and fourth years. Students who satisfactorily complete the basic course may, up to the quota allowed by the War Department, and if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately \$200.00. They are obligated to complete the course and to attend one summer camp of instruction for six weeks, for which the students will receive travel allowances, pay at the rate of \$21.00 a month, and will be provided with all camp equipment, uniforms, and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Selected graduates are given preference in appointment for internship in Army General Hospitals, where they receive pay and allowance of a First Lieutenant of the Medical Corps.

ADMISSION

LEGAL STANDARDS

The laws relating to the preliminary educational qualifications required of physicians differ in many of the States, and candidates are advised that

if they meet the premedical and other requirements of this School they will be able to comply with the legal demands of all State Examining Boards in the United States.

MORAL REQUIREMENTS

All candidates must be of good moral character, and they must present evidence that their college work has been of such standard as to give promise of work of high quality in the medical course.

EDUCATIONAL REQUIREMENTS

The minimum requirements for admission are fifteen units of work from an accredited secondary school, and two years of college work, totaling at least sixty semester-hours, from an accredited college of arts and sciences.

SECONDARY-SCHOOL REQUIREMENTS

Of the fifteen secondary-school units* required, three must be in English, two† in Foreign Language (ancient or modern), one in Algebra, one in Geometry, one in History, and one in Science (Botany, Chemistry, Physics, or Zoology).

Eleven of the units offered must be in English, Foreign Language, Mathematics, Science, and History.

No candidate will be accepted with any condition in secondary-school work.

PREMEDICAL-COLLEGE REQUIREMENTS

1. Chemistry, twelve semester-hours‡ as follows: (a) Eight semester-hours of General Inorganic Chemistry, of which at least four semester-hours are laboratory work. Qualitative Analysis may be counted as General Inorganic Chemistry. (b) Four semester-hours of Organic Chemistry, of which two semester-hours are laboratory work.

2. Physics, eight semester-hours, of which at least two semester-hours are laboratory work. It is recommended that this course be preceded by one in Trigonometry.

3. Biology, eight semester-hours, of which at least four semester-hours are laboratory work. This requirement may be satisfied by a course of eight semester-hours in either General Biology or Zoology, or by a course of four semester-hours each in Zoology and Botany, but not by Botany alone.

* A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods a week, each period to be not less than forty-five minutes.

† Both of the required units of foreign language must be of the same language. Elementary Latin is desirable.

‡ A semester-hour is one hour of lecture or recitation, or at least two hours of laboratory work a week for one-half year or sixteen weeks. If laboratory periods are longer than two hours, their value in semester-hours will be no more than that assigned by the college where the work is taken.

4. English Composition and Literature, six semester-hours. The usual introductory college course, or its equivalent. The student should develop facility in English expression.

5. Modern Foreign Language. A reading knowledge, preferably of French or German.

6. Electives. It is recommended that the remaining semester-hours required include: (a) Comparative Vertebrate Anatomy; (b) Qualitative and Quantitative Chemistry; (c) Social Science and Psychology.

No student will be accepted with any condition in college work.

APPLICATION FOR ADMISSION

1. While no standard form for the statement of premedical credentials is required, a form will be supplied on request. Certificates submitted must give complete information as to the number of semester or quarter and actual didactic and laboratory hours taken in each subject, the year in which the subject was pursued, and the grade received in each. Forms for secondary-school and college work will be furnished on request.

All credentials submitted are to be made out by the proper school and college authorities and mailed by them to the Director of Admissions, The George Washington University, 2033 G Street, Washington, D. C. Photostat copies of credentials without the original signature of the certifying authority will not be accepted.

Each form must cover only work done at the school or college which fills out the form.

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year exceeds its capacity, those who wish to insure admission are urged to secure from the schools and colleges attended, completely compiled premedical credentials and forward them for evaluation as long a time as possible before the opening of the School of Medicine in September.

MEDICAL APTITUDE TEST

Applicants are required to take the Aptitude Test of the Association of American Medical Colleges, except where specifically excused by the School.

ADVANCED STANDING

Students who have satisfactorily attended one or more terms at any other class-A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an arts course in other accredited colleges or universities may be admitted to advanced standing in any of the premedical courses offered by the University upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

REGISTRATION AND ADMISSION TO CLASSES

Registration in the School of Medicine is for a period of one year at a time. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever, in the interest of the student or the School, the Advisory Committee deems it advisable to do so.

All matriculations and registrations must be completed within three days after the opening of the session.

Freshman students are admitted to classes on presentation of the matriculation ticket issued when all required fees have been paid. Second-, third-, and fourth-year students are admitted on presentation of their receipt for the payment of fees.

FEES AND FINANCIAL REGULATIONS

For a statement of fees, see pages 63-66.

PAYMENT

All fees are payable at the office of the Assistant to the Comptroller at the Medical Building, 1335 H Street NW. No student is permitted to complete registration or to attend classes until all fees are paid.

On account of the many applications for admission, and as the size of the freshman class is limited, places can be reserved only for those qualified applicants who remit the first trimester's tuition—a total of \$175.00. Should unusual circumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of \$25.00 for registration, transfer, etc., will be returned up to one month before the opening of the session, or thereafter, provided the place can be filled.

Fees due at registration must be paid within three days after the opening of the session.

There is no charge for the use of microscopes, but students will be required to pay for injury to apparatus and other college property. All breakage and loss not directly traceable to an individual student is assessed pro rata, and any unforfeited balance of the breakage deposit will be returned at the expiration of the course.

Fees* for each trimester are payable in advance as follows:

Trimester	1st, 2d, 3d yrs.	4th yr.
First.....	\$175.00	\$160.00
Second.....	160.00	160.00
Third.....	156.00	156.00
Total.....	\$491.00	\$476.00

*Including the University fee, tuition fees, and laboratory fees and deposits.

In exceptional cases, subject to the approval of the Comptroller, students may make special arrangements for the payment of second- and third-trimester charges.

COST OF TEXTBOOKS AND STUDENT EQUIPMENT

The minimum cost of necessary textbooks and student equipment (drawing materials, glass slides, clinical thermometer, stethoscope, hemocytometer, etc.) is approximately as follows:

First year.....	\$50.00
Second year.....	87.00
Third year.....	45.00
Fourth year.....	30.00
Total.....	\$212.00

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The John Hitz Metzgerott Scholarship is available to students in the School of Medicine. For particulars regarding application for, and the award of this scholarship, see page 70.

The Ordranax Prize of \$100.00 is awarded to the member of the graduating class of the School of Medicine who has completed the four-year medical course with the highest scholastic standing.

For information regarding other prizes, see pages 71-76.

The following loan funds are available to students in the School of Medicine: Daughters of the American Revolution Loan Fund; Harmon Foundation Loan Fund; Henry Strong Educational Foundation Loan Fund; and the University Loan Fund.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77.

DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments:

- (1) Anatomy, including Embryology and Histology.
- (2) Bacteriology and Pathology, including Clinical Microscopy, Preventive Medicine, and Hygiene.
- (3) Biochemistry, including Clinical Chemistry.
- (4) Medicine, including Allergy, Dermatology, Neurology, Pediatrics, Tropical Medicine, Physical Diagnosis, Psychiatry, Medical Jurisprudence, and Syphilology.
- (5) Obstetrics and Gynecology.
- (6) Pharmacology.
- (7) Physiology, including Clinical Physiology.
- (8) Surgery, including Urology, Laryngology, Military Surgery, Ophthalmology, Orthopedics, Otology, and Roentgenology.
- (9) Military Science and Tactics.

CLINICS

Courses of clinical instruction are included in the announcements of the Departments of Medicine, Surgery, and Obstetrics and Gynecology. The Assistant Dean assigned to the Clinical Division prepares schedules of clinics and student section assignments to the various hospitals and dispensaries. Under the guidance of specialists each student administers anesthetics, assists at operations and confinements, and studies the care and treatment of cases admitted to the medical wards.

THE DEGREE OF DOCTOR OF MEDICINE

The degree of Doctor of Medicine given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of postgraduate hospital work in those States which require hospital internship, will admit a graduate to all State examinations.

REQUIREMENTS FOR THE DEGREE

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four years of study as a matriculated student in Medicine, completed all required courses, and passed satisfactorily all prescribed examinations.

CURRICULA LEADING TO THE DEGREE

The curricula leading to the degree are: (a) four-year curriculum leading to the degree of Doctor of Medicine (M.D.); (b) a combined seven-year curriculum leading to the degrees of Bachelor of Arts (A.B.) and Doctor of Medicine (M.D.).

THE COMBINED SEVEN-YEAR CURRICULUM

Registration. Candidates register in the Junior College for the freshman and sophomore years of the Premedical Curriculum and in Columbian College for the junior year.

Admission. Applicants must meet the premedical-college requirements outlined on pages 138-39.

Course of Study. Candidates must complete at least ninety-four semester-hours of prescribed college work, not including Physical Education (at least thirty semester-hours and one year of residence must be completed in Columbian College), and the first year of the Medical Curriculum. On satisfactory completion of the work outlined above, the student will be recommended for the degree of Bachelor of Arts. Upon

completion of the fourth year in the Medical Curriculum the student becomes eligible for the degree of Doctor of Medicine. For further information regarding the Columbian College requirements for the Bachelor of Arts degree in the case of the combined curriculum leading to the degrees of Bachelor of Arts and Doctor of Medicine, see the Columbian College section of this bulletin.

THE PLAN OF INSTRUCTION

Each year of the Medical Curriculum is divided into the fall (twelve-week), winter (ten-week), and spring (eleven-week) trimesters. The curriculum for the degree of Doctor of Medicine must begin with the fall trimester. Admission requirements are given elsewhere, but students must have constantly before them the necessity of thorough preparation as a basis for medical instruction.

The different branches of medical instruction are arranged in a specific order. There is a coordination in the work of the several departments that enables the student to concentrate his attention upon the subject-material so as to acquaint him with not only a single subject, but also with the allied subjects, in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, and clinical teaching, with recitations and lectures to clarify the many problems presented. Under such a system of instruction there can be no sharp discrimination in teaching of laboratory and clinical courses. The clinical material in the University Hospital and Dispensary is utilized to the fullest extent both for clinical instruction and laboratory work. Additional clinics are given in other hospitals in the city to which members of the Faculty of the School of Medicine are attached. The principal policy of the School is to give a comprehensive, well-grounded, well-proportioned course that will adequately instruct students in the fundamentals of Medicine.

FIRST YEAR

During the first year the time of the students is devoted to Anatomy, Histology and Embryology (which is carried on by demonstrations to sections and by work in the dissecting room), Physiology and Biochemistry. The work in General Anatomy is designed to cover the entire subject in such a manner as to afford the student a practical working basis for the later studies in Medicine and is so correlated and taught as to emphasize the value of relation and function as well as that of structure. Instruction in Physiology begins in the first year and is continued throughout the first trimester of the second year. Physiology is presented as far as practicable as an exact science, although the clinical aspects of the subject are almost constantly in the foreground. Physical and Physiological Chemistry are

taught by lectures, demonstrations, recitations, and practical work in the laboratory. Instruction is given concerning personal hygiene, care of laboratory equipment, general conduct, and adaptability for the profession of Medicine.

SECOND YEAR

During the second year the work in Anatomy, Physiology, Pathology, Bacteriology, Immunology, and Pharmacology is completed. Courses in Clinical Chemistry, Preventive Medicine, and Hygiene are given. The work in Bacteriology and Immunology is taught by lectures, laboratory work, and conferences. Emphasis is laid upon those parts of the subject-matter which are directly pertinent to the pathology of infectious diseases, the diagnosis of these diseases, and their treatment. The medical problems of Bacteriology are illustrated by means of materials obtained from the hospitals. Immunological and serological technique are presented to the student by means of group instruction. The preventive aspects of the physician's work in relation to infectious disease are considered.

THIRD YEAR

During the third year there are lectures and conferences in Medicine, Surgery, Obstetrics, Gynecology, Pediatrics, Therapeutics, Clinical Microscopy, Roentgenology, and Medical Jurisprudence. There are clinical lectures, demonstrations, diagnostic clinics, operative clinics, and follow-up clinics in Medicine, Surgery, Urology, Obstetrics, Gynecology, Neurology, Psychiatry, Pediatrics, Ophthalmology, Dermatology, Syphilology, Laryngology, Otolaryngology, and Orthopedic Surgery. The class is organized for instruction in physical and medical diagnosis and for practical work in the dispensaries and hospitals. There is special drill in history-taking and the practical technique of physical diagnosis.

FOURTH YEAR

During the fourth year the class is divided into small sections and required to attend ward clinics in the University Hospital, Gallinger Municipal Hospital, the Garfield Memorial Hospital, the Children's Hospital, Providence Hospital, St. Elizabeth's Hospital, and the Tuberculosis Hospital. Few lectures are given. The work is almost entirely practical and bedside instruction. In the diagnostic clinics students have the opportunity of applying the various methods of precision (the principles of which they have already studied) and are expected to become familiar with case-histories, make diagnoses, give prognoses, advise treatments, and watch the progress of cases. A course is given in Medical History and General and Medical Ethics.

HONORS

Candidates who have completed the four-year medical course with an average of ninety per cent or more in their work and examinations may be recommended for graduation "with distinction."

REGULATIONS

Students in the School of Medicine are subject to the general University regulations as stated on pages 78-81.

ATTENDANCE

1. Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun, or leaving before either is dismissed.

2. Absence is not allowed unless an excuse is obtained from the Dean or the instructor.

3. Application for excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician.

4. For every unexcused absence a department will deduct one half of one per cent from the student's final grade in the subject involved.

EXAMINATIONS

Examinations may be written, oral, or practical, and may be held at the completion of each course or at the end of the academic year.

ABSENCE FROM EXAMINATIONS

A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination, except by special permission of the Advisory Committee. For special examinations a fee of \$5.00 will be charged for each subject.

GRADES

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Advisory Committee of the Faculty.

FAILURE

A student who has failed in any subject will not be advanced unless his case is especially meritorious and then only by authority of the Ad-

visory Committee. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September preterm examinations.

A student allowed to repeat a year or take the September examinations will be required to take such examinations and to do work in such subjects as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years, or fails of graduation after repeating the final year, will not be permitted to maintain his connection with the School.

A student who fails of graduation may, if approved by the Advisory Committee, be reexamined for graduation in the September examinations.

CHANGE OF COURSE AND WITHDRAWAL

Course change and withdrawal are not allowed except upon authority of the Advisory Committee.

To withdraw from a course a written request approved by the Dean is required. Withdrawal permits and course certificates are issued only to those who have a clear financial record with the University.

LIMITATION OF REGULATIONS

The Faculty reserves the right to modify or change requirements, courses, rules, and fees in the School of Medicine.

SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES IN THE SCHOOL OF MEDICINE

The payment of the University fee, charged all students, entitles them to certain health services described under the Department of Health Administration, page 292. Payment of this fee secures for students certain student-activity privileges, which are explained on page 83.

All first-year students are given a comprehensive physical examination by the Department of Health Administration upon admission to the School of Medicine. The students are informed of the findings and advised regarding such measures as will tend to maintain a high standard of health.

HOSPITAL APPOINTMENTS

Interns are appointed annually in the University Hospital. Similar appointments are made to graduates and undergraduates of this School in the following hospitals of the District: Casualty Hospital; Children's Hospital; Columbia Hospital for Women; Emergency Hospital; Episcopal Eye, Ear, and Throat Hospital; Gallinger Municipal Hospital; Garfield Memorial Hospital; Providence Hospital; St. Elizabeth's Hospital; Sibley Hospital; Tuberculosis Hospital; and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia, should apply directly to the institutions which they wish to enter. A list of hospitals approved for intern training is published annually in the *Journal of the American Medical Association*, and a copy of the list may be consulted in the office of the Dean.

COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with the States, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington, D. C.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905. All alumni and members of the Faculty are eligible for membership on election.

Meetings of the society are held in the School of Medicine on the third Saturday evening of each month from October to May.

Senior students are required to attend the meetings of this society.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

For catalogues, application blanks, and further information, address the Dean of the School of Medicine, The George Washington University, 1335 H Street NW., Washington, D. C.

SCHEDULE OF DEPARTMENTS, COURSES, AND ALLOTTED HOURS¹

DEPARTMENTS AND COURSES	Hours									
	Week-hours per trimester			First year		Second year		Third year		Total course hours
	First (12)	Second (10)	Third (11)	Did.	Lab.	Did.	Lab.	Did.	Lab.	
<i>Anatomy</i>										
Histology.....	9	9		30	108					108
Embryology.....			0	30	00					90
Gross.....	15	15	15	60	420					480
Neural.....	6					12	60			72
Applied.....		2				20				20
<i>Bacteriology and Pathology</i>										
Bacteriology.....	12	12	19			12	112			144
Pathology.....						64	256			320
Anatomy.....							72			72
Preventive Medicine and Hygiene.....		3 ⁴	3			12	51			63
Clinical Microscopy.....	3	1	1					24	48	72
Clinical Pathology Conference.....	1	1	1						30	30
<i>Biochemistry</i>	8	8		80	96					176
Clinical Chemistry.....		3	3			31	42			239
<i>Medicine</i>										
Dermatology ⁴	1 ⁶							32		32
Ethics.....			1 ⁶						6	6
General Medicine ⁴	4	4	4					112		132
Medical Jurisprudence.....								18	310	493
Neurology ⁴	1	1						12		12
Pediatrics.....	2							22		22
Physical Diagnosis.....	4	4	4					24	108	132
Psychiatry ⁴	1	1	1						30	30
Therapeutics.....	1	1	1					31		33
Tropical Medicine.....	1	1	1					15		17
Medical Psychology.....									10	10
<i>Obstetrics and Gynecology</i>										
Obstetrics lectures.....	1 and 2	1 and 2	1 and 2					65		96
Obstetrics laboratory demonstrations.....	2 ⁴							14		14
									6	6
										214

THE SCHOOL OF NURSING

THE FACULTY*

- Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*
Earl Baldwin McKinley, A.B., M.D., *Dean of the School of Medicine.*
Ella Ida Gibson, R.N., *Superintendent of Nurses.*

STAFF OF INSTRUCTION

- Oscar Benwood Hunter, A.M., M.D., *Bacteriology and Pathology.*
Leslie Howson French, M.D., *Physiology.*
William Thornwall Davis, M.D., *Ophthalmology.*
George Nordlinger, M.D., *Gynecology.*
Bernard Notes, M.D., *Obstetrics.*
Custis Lee Hall, M.D., *Orthopedics.*
Charles Berger Campbell, M.D., *Dermatology.*
George Byron Roth, M.D., *Materia Medica.*
E. Osmun Barr, M.D., *Surgery.*
Francis George Speidel, M.D., *Anesthesia.*
Lyle Millan Mason, M.D., *Venereal Diseases.*
William Binford King, M.D., *Anatomy.*
Frederick August Reuter, M.D., *Urology.*
_____, *Emergency and First Aid.*
Melissa Ervilla Chamberlain, R.N., The George Washington University Hospital, 1926, *Assistant Superintendent of Nurses.*
Lucille C. Brunner, R.N., The George Washington University Hospital, 1928, *Practical Instructor.*
Mary Holden Philbrick, *Instructor in Dietetics.*
Eleanor Morrow Schwinn, R.N., The George Washington University Hospital, 1926, *Operating Room Supervisor.*
Helen Courtrite, R.N., Columbia Hospital, Washington, D. C., 1917, *Obstetrical Supervisor.*
Edna Roberta Sprecher, R.N., The George Washington University Hospital, 1921, *Ward Supervisor.*
Cymbeline Marie Hammell, R.N., The George Washington University Hospital, 1926, *Ward Supervisor.*
Anne L. Reisinger, R.N., Jackson Memorial Hospital, Miami, Fla., 1928, *Ward Supervisor.*

* Arranged, with the exception of the President, the Dean, and the Superintendent of Nurses, on the basis of seniority.

GENERAL STATEMENT

INTRODUCTORY

The George Washington University Hospital is a general hospital with 110-bed capacity; it is non-sectarian and for white patients only. It is located at 1339 H Street NW., in the central part of the city. Connected with the Hospital is a Dispensary having a large out-patient service, so that the institution affords a thorough and practical experience in medical, surgical, gynecological, obstetrical, and emergency nursing, and in the administrative work incident to a hospital.

The Hospital Staff are all members of the Faculty of Medicine of the University School of Medicine, and the nurses receive the benefit arising from instruction and the nursing of cases under these trained teachers.

Nurses in training in this institution have advantages incident to University association. The classroom and laboratory equipment of the University School of Medicine, which adjoins the Hospital, are used by the student nurses for class work.

THE NURSES' HOME

The Nurses' Home, Parkside Hotel, 1336 I Street NW., with a resident matron, is located a short distance from the Hospital.

WOMAN'S BOARD

The Hospital and the School of Nursing are materially assisted by an efficient Woman's Board, whose personal interest and financial assistance do much to improve these institutions.

ADMISSION

Candidates for admission must present certificates of graduation from accredited high schools or other preparatory schools, or certificates of advanced standing showing credit for work in an accredited college previously attended.

Applicants must be over eighteen and under thirty-five years of age, and must submit evidence of being physically sound and of good moral character.

Certificate blanks will be furnished upon application to the Superintendent of Nurses.

REGISTRATION

Students entering the course will register with the Superintendent of Nurses.

THE DIPLOMA IN NURSING

Upon the satisfactory completion of the requirements of the School of Nursing, a Diploma in Nursing is granted.

REQUIREMENTS FOR THE DIPLOMA

Candidates for the Diploma in Nursing must be not less than twenty-one years of age and of good moral character; they must have satisfactorily completed all required work and have passed all examinations.

CURRICULUM LEADING TO THE DIPLOMA

A three-year course leading to the Diploma in Nursing is offered. Approved applicants will be received on probation for a period of six months, at the end of which time those who appear to be fitted for the nursing profession will be accepted as student nurses. The remainder of the three-year course is devoted to didactic and laboratory instruction and to fundamental professional training in the University Hospital. Special courses in Pediatric Nursing, Eye, Ear, Nose, and Throat Nursing, and Mental Nursing are included in the third year.

First Year

	Hours	Units
Anatomy and Physiology.....	120	5
Bacteriology.....	45	2
General and Applied Chemistry.....	45	2
Personal Hygiene.....	15	1
Elementary Materia Medica.....	15	1
Principles and Practice of Nursing.....	120	5
History and Ethics of Nursing.....	30	2
Elements of Pathology.....	15	1
Dietetics.....	60	3
Materia Medica and Therapeutics.....	30	2
Psychology.....	15	1
Case Study.....	15	1

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Second Year

	Hours	Units
Nursing in General Medical Diseases.....	30	2
Nursing in Medical Specialties: Communicable Diseases and Skin.....	30	2
Nursing in General Surgical Diseases.....	30	2
Nursing in General Surgical Specialties: Orthopedics, Gynecology, Urology, and Operating Room Technique.....	30	2
Pediatric Nursing and Infant Feeding.....	30	2
Modern Social and Health Movements.....	30	2

12

Third Year		
	Hours	Units
Obstetrical Nursing.....	30	2
Psychiatric Nursing.....	30	2
Nursing in Eye, Ear, Nose, and Throat.....	15	1
Emergency Nursing and First Aid.....	15	1
Survey of the Nursing Fields.....	15	1
Professional Problems.....	15	0
		7
Total number of units.....		45

REMUNERATION AND FEES

During the probationary period no monetary remuneration is allowed. From the date of acceptance as a student nurse a remuneration of twelve dollars a month is allowed during the course of training.

A fee of \$10 is charged for the Diploma in Nursing.

REGULATIONS

Students in the School of Nursing are students in The George Washington University and as such may be subject to the general University regulations as stated on pages 78-81.

RESIDENCE

While engaged in hospital training all students are required to live in the Nurses' Home, where no charge is made for room, board, and laundry. All baggage must be sent to the Nurses' Home.

UNIFORMS

All students when admitted to the School of Nursing must provide themselves with a complete uniform outfit as prescribed by the Superintendent of Nurses.

ATTENDANCE

Absence from duty on account of illness in excess of three weeks during the course must be made up. When a student nurse is absent, for any cause, for more than six weeks, she will forfeit her position in the School but may enter the succeeding class if approved by the Executive Committee. No payment will be made for time lost by illness.

Two hours are allowed on week days for rest, study, and recreation, and also one-half day (after 1.00 p.m.) each week and one-half day on Sunday.

Student nurses will be allowed a vacation of three weeks the first two years and two weeks the last year of training.

CONDUCT AND RECORD OF STUDENTS

Student nurses may be dropped at any time for inefficiency, misconduct, unsatisfactory record, or whenever, in the interest of the student nurse or of the School, the Executive Committee of the School of Nursing deems it advisable to do so.

STUDENT ADVISORY COUNCIL OF THE SCHOOL OF NURSING

An advisory council consisting of three student nurses is established in the School.

The purpose of this council is to develop a closer cooperation between the nurses' student body, the Faculty of the School, and the administrative authorities of the Hospital; to aid in the enforcement of discipline and to secure strict conformity to the rules of the School; to devise ways and means for social activities; and to encourage higher ideals.

For further information address the Superintendent of Nurses, The George Washington University Hospital, 1339 H Street NW., Washington, D. C.

THE LAW SCHOOL

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School.*

COMMITTEES†

THE DEAN'S COUNCIL‡

Carville Dickinson Benson, jr.

William Armstrong Hunter

James Forrester Davison

Walter Lewis Moll

William Thomas Fryer

Saul Chesterfield Oppenheim

Hector Galloway Spaulding

LIBRARY COMMITTEE

Saul Chesterfield Oppenheim, *Chairman*

Hector Galloway Spaulding

Carville Dickinson Benson, jr.

The Librarian

COMMITTEE ON REINSTATEMENT

Walter Lewis Moll, *Chairman*

William Armstrong Hunter

Carville Dickinson Benson, jr.

COMMITTEE ON REGISTRATION

William Cabell Van Vleck, *Chairman*

William Thomas Fryer

Saul Chesterfield Oppenheim

Hector Galloway Spaulding

COMMITTEE ON STUDENT AFFAIRS

Gilbert Lewis Hall, *Chairman*

Clarence Altha Miller

James Forrester Davison

James Oliver Murdock

ADVISER TO PRELEGAL STUDENTS

Hector Galloway Spaulding

* Arranged, with the exception of the President and the Dean, on the basis of seniority.

† The President of the University and the Dean of the Law School are ex officio members of all committees.

‡ Elected by the Faculty.

STAFF OF INSTRUCTION

- Walter Collins Clephane, LL.M., *Professor of Law.*
 Edwin Charles Brandenburg, LL.M., *Professor of Law.*
 John Paul Earnest, A.M., LL.M., *Professor of Law.*
 John Wilmer Latimer, LL.B., *Professor of Law.*
 William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law.*
 *Charles Sager Collier, A.B., LL.B., *Professor of Law.*
 Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law.*
 Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law.*
 Herschel Whitfield Arant, A.M., LL.B., LL.D., *Visiting Professor of Law.*
 Joseph Winston Cox, LL.B., *Professorial Lecturer in Law.*
 Loyd Hall Sutton, B.S., LL.B., *Associate Professor of Law.*
 William Armstrong Hunter, A.B., LL.M., *Associate Professor of Law.*
 William Thomas Fryer, A.B., LL.B., J.D., *Associate Professor of Law.*
 Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Associate Professor of Law.*
 Carville Dickinson Benson, jr., A.B., LL.B., S.J.D., *Assistant Professor of Law.*
 James Forrester Davison, A.B., LL.M., S.J.D., *Assistant Professor of Law.*
 Levi Russell Alden, A.M., LL.B., *Lecturer in Law.*
 Gilbert Lewis Hall, A.B., LL.B., *Lecturer in Law.*
 Clarence Altha Miller, LL.M., *Lecturer in Law.*
 Ralph Hoskins Hudson, Graduate U. S. Naval Academy, LL.B., *Lecturer in Law.*
 James Oliver Murdock, Ph.B., LL.B., *Lecturer in Law.*
 John Monteith McFall, A.B., LL.B., *Lecturer in Law.*
 John Albert McIntire, A.B., LL.B., *Instructor in Law.*
 Frederick Charles O'Connell, LL.M., *Associate in Law and Clerk of the Moot Court.*

MOOT COURT OF APPEALS

- Leon Tobriner, LL.B., *Chief Justice.*
 Brainard Warner Parker, LL.B., *Associate Justice.*
 Reginald Shippen Huidekoper, LL.B., *Associate Justice.*

* On sabbatical leave 1931-32.

GENERAL STATEMENT

INTRODUCTORY

The George Washington University Law School, established in 1826, discontinued somewhat later, and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A course leading to the degree of Master of Laws was added in 1877. In 1900 the School took part in the organization of the Association of American Law Schools and has been a member of the Association since that time. In 1911 the School became coeducational. In 1924 the late afternoon course for students with limited schedules was increased to four years. On September 1, 1925, the entrance requirements were increased to two years of college work. The School is approved by the Council of Legal Education of the American Bar Association. Since September 1, 1925, it has occupied a new law building, designed and constructed for its use. This building has been named Stockton Hall in honor of the late Rear Admiral Charles H. Stockton, President of the University from 1910 to 1918. The building contains nine classrooms, library space with a maximum capacity of 40,000 volumes, and ten offices for professors.

LIBRARY

The Law School Library contains the decisions of the highest courts of all the States, the Reports of the United States Supreme Court and other Federal courts, the English Reprints and English Law Reports, the United States Statutes, the statutes of all of the States, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading textbooks and legal periodicals.

The library is open from 9.00 a.m. to 11.00 p.m. on week days and from 2.00 to 6.00 p.m. on Sundays.

ACADEMIC YEAR

The academic year 1931-32 begins Wednesday, September 23, 1931, and closes Wednesday, June 15, 1932.

The academic year is divided into two semesters, the second beginning Monday, February 1. In addition there are the Summer Sessions of two terms of six-and-a-half weeks each. The Summer Sessions of 1931 begin June 20; the second term begins August 4.

Registration is permitted at the beginning of the second semester. First-year students taking the late afternoon classes may enter at that time for a regular course of ten hours a week. Such students may, by attending the following Summer Sessions, complete most of the first-year afternoon

course. Other students may register for second-semester subjects which they are qualified to take, but not for year subjects.

Students who complete their work for the degree at the end of the first semester may be recommended for graduation at the mid-winter Convocation on February 22.

ADMISSION

FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for this degree must have completed before admission fifteen units of approved secondary-school work, and at least two years—sixty semester-hour credits—of approved college work. The completion of this work must be evidenced by proper certificates. In no case will a student be admitted with a condition in any part of the entrance requirement. An application for admission may be rejected on the ground of unsatisfactory scholarship in prelegal studies.

The college work required for admission may be completed in the Junior College of The George Washington University. Applicants for such college work should communicate with the Registrar of the University, 2033 G Street NW.

ADVANCED STANDING

Students from approved law schools may receive not more than two years' credit toward the degree of Bachelor of Laws for work done in such schools. Applicants for admission with advanced standing must file certified transcripts of record showing high-school, college, and law credits. The right is reserved to refuse such credit, in whole or in part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student will be admitted who has been in attendance at another law school and is ineligible, because of poor scholarship, to return to that school.

FOR THE DEGREE OF MASTER OF LAWS

Candidates for this degree must have, at the time they register, the degree of Bachelor of Arts or an equivalent degree from an approved college and the degree of Bachelor of Laws or an equivalent degree from an approved law school. The two degrees must have been obtained in not less than six academic years.

SPECIAL STUDENTS

Special students are referred to the Division of University and Extension Students.

UNCLASSIFIED STUDENTS

Persons eligible for admission to regular standing may, in the discretion of the Dean, be admitted as unclassified students, to courses aggregating not more than four hours a week.

APPLICATION FOR ADMISSION

Applications for admission and certificates of prelegal study should be filed with the Secretary of the Law School not later than ten days before the registration period. Applications for admission with advanced standing should be filed with the Dean of the Law School not later than ten days before the registration period.

REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in the Law School until proper credentials have been filed and approved by the proper officers of the Law School (see "Admission," above).

Only with the approval of the Dean's Council may a student be permitted to register in the second semester of a year subject before he has completed the attendance in the first semester of that subject.

In all cases where students are permitted to register in one semester of a year subject, they must register for the other semester of that subject not later than one calendar year from the time the attendance in the first semester was completed.

Registration at the beginning of the academic year indicates the student's program of study for the entire year unless otherwise stated. At the beginning of the second semester all programs for that semester must be rechecked and approved and the initial payment of tuition fees made. Until this has been done, the student will not be placed on the rolls for the semester and will be counted as absent (see "Attendance," below).

Registration days for the academic year 1931-32 will be Saturday to Tuesday, September 19 to 22, 1931, both inclusive, and Friday and Saturday, January 29 and 30, 1932. Except where special permission is given, students must register on the regular registration days. A late-registration fee of \$5.00 will be charged each student who is permitted to register after the regular registration days. No registration may be made for a semester subject after the first two weeks of a semester, or for a year subject after the first four weeks of the year.

Registration may be changed only with the permission of the Dean. A fee of \$2.00 will be charged for each change authorized after registration.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Applications should be made to the Registrar of the University, in accordance with instructions stated on pages 68-70.

Through the generosity of friends of the University a number of loan funds are available to students in the Law School. Among them is the Henry Strong-William A. Maury Scholarship Loan Fund, established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury. Application for loan funds should be made to the Registrar of the University.

PRIZES

The following prizes are awarded annually in the Law School: Ellsworth Prize; Samuel Herrick Prize; John Bell Larner Prize; and the Ordronaux Prize. For information regarding prizes, see pages 71-76.

THE DEGREES

The Law School offers the degrees of Bachelor of Laws and Master of Laws.

THE DEGREE OF BACHELOR OF LAWS

REQUIREMENTS FOR THE DEGREE

Candidates for the degree of Bachelor of Laws must satisfy the admission, residence, and scholarship requirements and must complete the prescribed number of credit and required subjects.

RESIDENCE

The attendance requirement for this degree is three academic years for full-time students and four academic years for students with limited schedules, of which at least one academic year must be spent in residence at The George Washington University Law School. A year's attendance in the late afternoon classes for students with limited schedules is counted as residence for three fourths of a year.

NUMBER OF CREDITS

The credit requirement is eighty semester-hours. A semester-hour is an hour a week of class work for one semester.

SCHOLARSHIP

The eighty semester-hours of work required must be completed with an average grade of at least C, and not more than sixteen hours with a grade of D may be counted toward the degree.

REQUIRED SUBJECTS

The following subjects are required for the degree of Bachelor of Laws: 111-12, Contracts; 124, Criminal Law and Procedure; 133-34, Personal Property; 137-38, Real Property I; 141-42, Torts; 163-64, Bills and Notes; 167-68, Civil Procedure; 171-72, Equity II; 177-78, Evidence; 187-88, Real Property II; 251-52, Constitutional Law; 257-58, Corporations; and 283-84, Moot Court, or 293-94, Patent Moot Court.

ORDER OF COURSES

All first-year subjects must be finished before any third- or fourth-year subjects are taken. Some second-year work may be taken, with the approval of the professors giving it, concurrently with a small amount of first-year work, by those who have already completed most of the first year. Students entering in February and in the summer cannot expect always to be able to take a full schedule of work in the ensuing year. Those entering in February are expected to continue through the ensuing summer in order to qualify for second-year work. Those having to repeat required work must do so at the first opportunity.

APPLICATION FOR GRADUATION

Application for graduation should be filed in the office of the Secretary at the beginning of the senior year.

CURRICULA LEADING TO THE DEGREE

In addition to the regular three-year curriculum, the following combined curricula are offered:

COMBINED SIX-YEAR CURRICULUM FOR THE DEGREES OF BACHELOR OF ARTS
AND BACHELOR OF LAWS

The University will confer the degree of Bachelor of Arts upon the completion of three years of college work and the first year in the Law School. In order to be certified to the authorities of Columbian College as having satisfactorily completed one year of law work, the student must have completed twenty-eight semester-hours in the Law School, including all subjects required in the first-year morning section, with an average of sixty-five per cent or better (see Columbian College announcement). The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

COMBINED SIX-YEAR CURRICULUM FOR THE DEGREES OF BACHELOR OF SCIENCE
IN ENGINEERING AND BACHELOR OF LAWS

The University will confer the degree of Bachelor of Science in Engineering upon the completion of the first three years of the curriculum for that degree in the School of Engineering of The George Washington

University and the first year in the Law School (see the announcement of the Bachelor of Science in Engineering Curriculum in the School of Engineering). The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

HONORS

The degree of Bachelor of Laws "with distinction" will be awarded students who obtain an average grade of *A*.

ORDER OF THE COIF

The Order of the Coif is a national honor society with chapters in twenty-eight law schools, the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." The George Washington University Chapter was established in 1926. Students are elected each year from the highest ranking ten per cent of the graduating class of the Law School.

THE DEGREE OF MASTER OF LAWS

REQUIREMENTS FOR THE DEGREE

Candidates for the degree of Master of Laws must complete twenty semester-hours of work in subjects not counted toward the degree of Bachelor of Laws and must present a satisfactory thesis in a subject which has been counted toward the Master's degree.

This degree will not be conferred until one academic year after the candidate receives the degree of Bachelor of Laws.

SCHOLARSHIP

Courses taken for the Master's degree must be completed with a grade of not less than *C* in each subject and with an average grade of not less than *B*.

REQUIRED SUBJECTS

Trusts, Conflict of Laws, and Constitutional Law must be included in the course for the degree of Master of Laws if not previously taken. No first-year subject and no second-year required subject may be counted toward this degree.

REGULATIONS

Students in the Law School are subject to the general University regulations as stated on pages 78-81.

AMOUNT OF WORK

A student who takes a majority of his courses in the full-time section, from 9.00 a.m. to 1.00 p.m., may, with the permission of the Dean, take

work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections or in classes held before 9.00 a.m., may not register for more than ten hours a week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when, in the judgment of the Dean, the best interests of the student require it.

ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject.

Absences of ten per cent or less of the class hours in any given subject do not affect the student's attendance credit. Absences in excess of twenty-five per cent will make him ineligible for examination or credit in that subject. Absences exceeding ten but not exceeding twenty-five per cent in each subject will be totaled from all subjects taken during the academic year, and for each fifteen hours of excess absences thus shown, the year's credit obtained by the student shall be reduced by one semester-hour. Lateness in registration shall count as absence. Credit for attendance shall begin with the date of approval of registration by the Treasurer's Office.

GRADES

The grade of a student in each subject is indicated by the letters *P*, pass; *D*, conditional pass; or *F*, failed. The meaning of these grades is as follows:

P, pass, means that the work has been successfully completed and full credit given for the subject.

D, conditional pass, means that credit is given for the subject but not more than sixteen semester-hours of such credit may be counted toward the degree.

F, failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who, in the work of the year, has received a grade of *F* in one subject only and obtained a general average of *C*, may take the next regular examination in that subject, and if on such reexamination he attains the grade of *C* or better, he will be given a grade of *D* (60) in the subject.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: *A* (85-100), excellent; *B* (75-84), good; *C*, (65-74), pass; *D* (55-64), conditional pass; *F* (below 55), failure.

SCHOLARSHIP

Unless a student in each academic year receives a grade above *F* in at least three fourths of the semester-hours in which he is registered and obtains a numerical average grade of not less than 60, he will be denied registration in the future; but upon written application to the Committee on Reinstatement, showing sufficient cause, and after a personal hearing, if he so desires, he may be reinstated on such conditions as the committee may impose.

The scholarship requirements for the degrees are stated above under the requirements for the respective degrees.

EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled, may take the next regular examination given in the subject.

No student shall be given an examination in, nor permitted to receive credit in, less than an entire subject. In any case where a student is permitted to register for one semester only of a year subject, he shall not take the examination in that subject until the other semester has been completed. If no regular examination in that subject is scheduled at the time the other semester is completed, then the student shall not be given a special examination but shall be required to take the next regular examination.

No special examinations will be given; except, that upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take that examination, may, in the discretion of the Dean's Council, be given a special examination not less than sixty days after the one which he failed to take or to pass.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester-hours of credit as follows: first year, to twenty-seven; second year, twenty-eight to fifty-five; third year, fifty-six or more.

REGULATIONS REGARDING DEGREES

NON-CONTINUOUS ATTENDANCE

Candidates absent for more than one continuous academic year may reenter and continue their work only under the rules and regulations in

force at the time of their return. The Dean's Council, however, may permit such students to continue their work under the entrance requirements in force at the time they were admitted to the School.

RIGHT TO REFUSE TO CONFER A DEGREE

The right is reserved to refuse to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

COURSES OF INSTRUCTION

The courses of instruction will be found under "Law" in the alphabetical list beginning on page 239.

For catalogues, application blanks, and further information, address the Dean of the Law School, The George Washington University, Stockton Hall, Washington, D. C.

THE SCHOOL OF ENGINEERING

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*
John Raymond Lapham, M.S., *Dean of the School of Engineering.*

THE DEAN'S COUNCIL†

1932

Norman Bruce Ames
Colin Mackenzie Mackall

1933

Benjamin Carpenter Cruickshanks
Walter Lynn Cheney

1934

Frank Artemus Hitchcock
Arthur Frederick Johnson

STAFF OF INSTRUCTION

John Raymond Lapham, M.S., *Professor of Civil Engineering.*
Owen Bert French, C.E., *Professor of Civil Engineering.*
Frank Artemus Hitchcock, M.S., C.E., *Professor of Civil Engineering.*
Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*
Edward Henry Sehrt, Ph.D., *Professor of German.*
Walter Lynn Cheney, Ph.D., *Professor of Physics.*
Norman Bruce Ames, B.S., E.E., LL.B., *Professor of Electrical Engineering.*
Arthur Frederick Johnson, M.E., *Professor of Mechanical Engineering.*
James Henry Taylor, Ph.D., *Professor of Mathematics.*
Harold Griffith Sutton, M.S., *Associate Professor of Finance.*
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*
Benjamin Carpenter Cruickshanks, B.S. in M.E., *Assistant Professor of Mechanical Engineering.*
Douglas Bement, A.M., LL.B., *Assistant Professor of English.*
George Albert Chadwick, B.S., *Lecturer on Mechanics.*
Blake Ragsdale Van Leer, M.E., *Lecturer on Hydraulics.*
Walter Bartow Lawrence, B.S. in M.E., *Lecturer in Mechanical Engineering.*
Walter Lyman Rice, A.B., LL.B., *Lecturer on Commercial and Maritime Law.*

* Arranged, with the exception of the President and the Dean, on the basis of seniority.

†Elected by the Faculty.

Max Allen Lett, M.S. in M.E., *Instructor in Mechanical Engineering.*
Alfred G. Ennis, M.S. in E.E., *Instructor in Electrical Engineering.*
Harold Harrison Dutton, B.S. in C.E., *Associate in Materials Testing.*
Edward Porter Henderson, M.S., *Associate in Geology.*
Joseph Carl Oleinik, M.S., *Associate in Civil Engineering.*
James Augustin St. Omer Roy, B.S. in E.E., *Associate in Mechanical Engineering.*

GENERAL STATEMENT

INTRODUCTORY

The School of Engineering was organized in 1884 under the name of the Corcoran Scientific School.

ADMISSION

Candidates for admission to the freshman year must submit fifteen units of accredited secondary-school work which shall include: English, three units; Foreign Language, two units; Elementary and Advanced Algebra, two units; Plane and Solid Geometry, one-and-a-half units; Plane Trigonometry, one-half unit; Chemistry, one unit; Physics, one unit; History, one unit; Electives, three units.

A graduate of an approved high school who does not have the above distribution of subjects but who does not have an irregularity of more than two units, may be admitted on condition. All conditions must be removed by the end of the freshman year (the completion of thirty semester-hours).

For the general regulations regarding admission and the filing of credentials, and a description of prescribed studies, see pages 57-60.

ADVANCED STANDING

Candidates for advanced standing must present official transcripts of their records at schools previously attended.

SPECIAL STUDENTS

Special students and auditors are referred to the Division of University and Extension Students.

REGISTRATION

Before registration, schedules of new students must be approved by the Dean, and schedules of other students must be approved by the Executive Officer of the major department. For further information regarding registration, see pages 61-62.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The following scholarships may be assigned in the School of Engineering: Henry Harding Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; David Spencer Scholarship.

For particulars regarding application for, and the award of, these scholarships, see pages 68-70.

For information regarding prizes, see pages 71-76.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77.

THE DEGREES

The following degrees are granted for the satisfactory completion of undergraduate courses: Bachelor of Science in Civil Engineering; Bachelor of Science in Electrical Engineering; Bachelor of Science in Mechanical Engineering; and Bachelor of Science in Engineering.

COMBINED ENGINEERING AND LAW CURRICULUM

The first year of the regular curriculum for the degree of Bachelor of Laws may be accepted as the fourth year of the curriculum leading to the degree of Bachelor of Science in Engineering. This makes it possible for a student to obtain in six years the degree of Bachelor of Science in Engineering and the degree of Bachelor of Laws. This combined curriculum meets the needs of a student who plans to enter the field of Patent Law.

PROFESSIONAL DEGREES

Professional degrees of Civil Engineer, Electrical Engineer, or Mechanical Engineer may be granted to graduates of the School of Engineering who have demonstrated their professional ability.

THE DEGREES OF BACHELOR OF SCIENCE

REQUIREMENTS FOR THE DEGREE

RESIDENCE

A minimum of thirty semester-hours must be completed at The George Washington University, provided that the other required courses have been satisfactorily passed at a reputable engineering school.

SCHOLARSHIP

The student's grades must be above passing by the attainment of grade number 1.67 or higher.

PHYSICAL EDUCATION

The Physical Education requirement consists of the prescribed freshman and sophomore assignments (see the announcement of the Physical Education courses), to be taken in the freshman and sophomore years by all students.

APPLICATION FOR GRADUATION

Application for graduation should be filed at the time of registration for the first semester of the final year.

CURRICULA LEADING TO THE DEGREES

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

Freshman Year

	Semester- hours
English 1-2.....	6
Modern Foreign Language.....	6
Mathematics 12 and 19.....	6
Mechanical Engineering 3.....	2
Mechanical Engineering 4.....	2
Physics 12 and 13.....	6
Civil Engineering 2.....	3
Physical Education.....	2
	<hr/> 33

Sophomore Year

	Semester- hours
Chemistry 3-6.....	8
Civil Engineering 25-26.....	4
Civil Engineering 101.....	3
Civil Engineering 118.....	2
Civil Engineering 131.....	4
Mathematics 20.....	3
Physics 14.....	2
Physical Education.....	2
Electives.....	4
	<hr/> 32

Junior Year

	Semester- hours
Civil Engineering 14.....	2
Civil Engineering 41 and 42.....	6
Civil Engineering 61.....	3
Civil Engineering 71-72.....	6
Civil Engineering 132.....	4
Civil Engineering 133-34.....	4
Electrical Engineering 9-10.....	6
	<hr/> 31

Senior Year

	Semester- hours
Civil Engineering 145-46.....	6
Civil Engineering 147-48.....	4
Civil Engineering 149 and 150.....	6
Civil Engineering 181-82.....	6
Economics 159.....	3
Electives.....	3
	<hr/>
	28
Total.....	<hr/>
	124

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Freshman Year

	Semester- hours
Physics 12 and 13.....	6
English 1-2.....	6
Mathematics 12 and 19.....	6
Mechanical Engineering 3.....	2
Mechanical Engineering 4.....	2
Economics 1-2 or Foreign Language.....	6
Civil Engineering 2.....	3
Physical Education.....	2
	<hr/>
	33

Sophomore Year

	Semester- hours
Chemistry 5-6.....	8
Civil Engineering 25-26.....	4
Mathematics 20.....	3
Physics 14.....	2
Electrical Engineering 9-10.....	6
Civil Engineering 131.....	4
Mechanical Engineering 13.....	3
Physical Education.....	2
	<hr/>
	32

Junior Year

	Semester- hours
Civil Engineering 132.....	4
Physics (second group).....	3
Economics 159.....	3
Electrical Engineering 17-18.....	4
Electrical Engineering 121 and 122.....	6
Mechanical Engineering 7.....	2
Mechanical Engineering 111-12.....	6
Public Speaking 1 or 4.....	3
	<hr/>
	31

Senior Year

	Semester- hours
Electrical Engineering 123.....	3
Electrical Engineering 125-26.....	4
Electrical Engineering 133-34.....	4
Electrical Engineering 136 and 137.....	4
Electrical Engineering 140.....	3
Civil Engineering 14.....	2
Civil Engineering 133-34.....	4
Mechanical Engineering 115.....	2
Electives.....	2
	<hr/> 28
Total.....	124

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

Freshman Year

	Semester- hours
Economics 1-2 or Foreign Language.....	6
English 1-2.....	6
Mathematics 12 and 19.....	6
Mechanical Engineering 3.....	2
Mechanical Engineering 4.....	2
Physics 12 and 13.....	6
Physical Education.....	2
	<hr/> 30

Sophomore Year

	Semester- hours
Chemistry 5-6.....	8
Civil Engineering 25-26.....	4
Civil Engineering 131.....	4
Mathematics 20.....	3
Mechanical Engineering 7-8.....	4
Mechanical Engineering 13-14.....	6
Physics 14.....	2
Physical Education.....	2
	<hr/> 33

Junior Year

	Semester- hours
Civil Engineering 2.....	3
Civil Engineering 14.....	2
Civil Engineering 41.....	3
Civil Engineering 132.....	4
Civil Engineering 133-34.....	4
Electrical Engineering 9-10.....	6
Mechanical Engineering 111-12.....	6
Mechanical Engineering 126.....	2
Electives.....	3
	<hr/> 33

The School of Engineering

175

Senior Year

	Semester- hours
Economics 139.....	3
Electrical Engineering 13-14.....	4
Mechanical Engineering 115-16.....	4
Mechanical Engineering 127-28.....	4
Mechanical Engineering 129-30.....	6
Mechanical Engineering 131.....	2
Mechanical Engineering 138.....	2
Electives.....	3
	28
Total.....	124

BACHELOR OF SCIENCE IN ENGINEERING

Freshman Year

	Semester- hours
English 1-2.....	6
Mathematics 12 and 19.....	6
Mechanical Engineering 3.....	2
Mechanical Engineering 4.....	2
Physics 12 and 13.....	6
Physical Education.....	2
Electives*.....	6
	30

Sophomore Year

	Semester- hours
Chemistry 5-6.....	8
Civil Engineering 25-26.....	4
Civil Engineering 131.....	4
Mathematics 20.....	3
Physics 14.....	2
Physical Education.....	2
Electives*.....	9
	32

Junior Year

	Semester- hours
Civil Engineering 14.....	2
Civil Engineering 132.....	4
Civil Engineering 133-34.....	4
Electrical Engineering 9-10.....	6
Mechanical Engineering 111-12.....	6
Electives*.....	12
	34

* Electives in the freshman, sophomore, and junior years should be taken from the following list: Economics, Mechanism, Surveying, Structures, Physics, Machine Drawing, Astronomy, Electrical Laboratory, Mechanical Laboratory, Foreign Language, Mathematics, Geology, Chemistry.

Senior Year*	
	Semester-hours
Electives.....	28
	<hr/> 28
Total.....	124

HONORS

Upon Faculty recommendation, degrees "with distinction" may be awarded students having a grade number of at least 2.50.

THE PROFESSIONAL DEGREES

REQUIREMENTS FOR THE DEGREES

1. Application may not be made sooner than three years after graduation nor unless the candidate has responsible charge of engineering work.
2. A detailed statement of the candidate's experience, references, the degree sought, and the title of the thesis must be filed with the Dean eight months before Commencement.
3. If his application is accepted, the candidate must prepare his thesis as required by the Executive Officer of the department concerned.
4. A bound copy of the thesis, typewritten on thesis paper, must be filed with the Dean on or before April 1 preceding Commencement.

REGULATIONS

Students in the School of Engineering are subject to the general University regulations as stated on pages 78-81.

AMOUNT OF WORK

The program for students is set forth above under "Curricula Leading to the Degrees." Part-time schedules are limited to not more than nine periods a week, except by permission of the Dean's Council.

GRADES

A, 90-100 per cent, counts four points; *B*, 80-89, counts three; *C*, 70-79, counts two; *D*, 60-69, counts one; *F*, failure, counts minus one; *E*, condition, and *Inc.*, incomplete, are temporary grades. Grade *Inc.* may be removed, and *E* may be changed to *D* within one year by satisfying the instructor's requirements.

* No student shall be admitted to the senior year of this course whose grade number is below 2.00. The purpose of the senior year of this course is to allow students who have demonstrated their ability to do better than passing work, to center their attention upon a group of subjects in which they have special interest.

The grade number is computed by multiplying the points for grade by the hours in course and dividing the sum of such products for all courses by the total number of hours (omitting courses graded *E* or *Inc.*).

SCHOLARSHIP

Delinquency in scholarship will render the student liable to be placed on probation or suspended by the Dean's Council. Readmission will be subject to approval by the Dean's Council.

CLASSIFICATION OF STUDENTS

Class listings are according to semester-hours of work completed: *freshman*, below thirty; *sophomore*, thirty; *junior*, sixty-two; *senior*, ninety-six.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

THE SCHOOL OF PHARMACY

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*
William Paul Briggs, M.S., *Dean of the School of Pharmacy.*

COMMITTEES†

ADVISORY COMMITTEE

Louis Francis Bradley, *Chairman*

Wymond H. Bradbury

Lewis Flemer

Samuel L. Hilton

William P. Herbst

Paul Pearson

SCHOLARSHIP COMMITTEE

Paul William Bowman, *Chairman*

Benjamin Douglass Van Evera

STAFF OF INSTRUCTION

Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology.*

Hiram Colver McNeill, Ph.D., *Professor of Chemistry.*

Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*

Louis Francis Bradley, Ph.D., *Professorial Lecturer in Pharmacy.*

William Paul Briggs, M.S., *Associate Professor of Pharmacy.*

Douglas Bement, A.M., LL.B., *Assistant Professor of English.*

Paul William Bowman, Ph.D., *Assistant Professor of Botany.*

Benjamin Douglass Van Evera, M.S., *Assistant Professor of Chemistry.*

Raymond John Seeger, Ph.D., *Assistant Professor of Physics.*

Eugene Christian Brokmeyer, *Lecturer on Pharmaceutical Jurisprudence.*

Asa Vernon Burdine, *Lecturer on Commercial Pharmacy.*

Clayton Howard Hixson, M.D., *Lecturer on Physiology.*

Augustus Carrier Taylor, *Lecturer on Pharmaceutical Ethics.*

Edward Ab Krause, M.D., *Lecturer on First Aid.*

Ewald Witt, M.S., in Ph.D., *Instructor in Pharmaceutical Chemistry.*

—, *Instructor in Pharmacognosy.*

* Arranged, with the exception of the President and the Dean, on the basis of seniority.

† The President of the University and the Dean of the School of Pharmacy are ex officio members of all committees.

GENERAL STATEMENT

INTRODUCTORY

In 1867 the foundation for the National College of Pharmacy was laid by the Apothecaries' Association of the District of Columbia. The College was opened in 1872 and continued until 1906, when it became affiliated with The George Washington University.

Under the deanship of the late Dr. Henry E. Kalusowski the School was organized on a university basis. It is a member of the American Association of Colleges of Pharmacy.

ADMISSION

Candidates for admission to the freshman class must submit fifteen units of accredited secondary-school work which shall include: English, three units; Foreign Language, two units (both in the same language); Algebra, one unit; Plane Geometry, one unit; electives, eight units.

For the general regulations regarding admission and the filing of credentials, and a description of prescribed studies, see pages 57-60.

REGISTRATION

For information regarding registration, see pages 61-62.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

For particulars regarding application for, and the award of, scholarships, see pages 68-70.

For information regarding prizes, see pages 71-76.

For information regarding application for, and the administration of, loan funds, see pages 76-77.

THE DEGREES

The degrees conferred are Graduate in Pharmacy* and Bachelor of Science in Pharmacy.

To be recommended for the degree of Graduate in Pharmacy, the candidate must have satisfied the admission, residence, and scholarship requirements and have attended and passed satisfactory examinations in the courses of study in the three-year curriculum, amounting to at least ninety-nine semester-hours as specified.

* In accordance with the policy of the American Association of Colleges of Pharmacy, no new candidates for this degree will be accepted after 1932.

To be recommended for the degree of Bachelor of Science in Pharmacy, the candidate must have satisfied the admission, residence, and scholarship requirements and have attended and passed satisfactory examinations in the courses of study in the four-year curriculum, amounting to at least 133 semester-hours as specified.

REQUIREMENTS FOR THE DEGREES

RESIDENCE

At least one year must be spent in residence at this School.

ATTENDANCE

Candidates for the degree of Graduate in Pharmacy must have attended at least eighty per cent of all required instruction during three sessions of thirty-two weeks each in three separate years; and candidates for the degree of Bachelor of Science in Pharmacy must have attended eighty per cent of all required instruction during four sessions of thirty-two weeks each in four separate years. Candidates must be present at the time specified for the final examinations, and also at Commencement. The degree is not conferred in the absence of a candidate except by special consent of the President's Council.

PERSONAL QUALIFICATIONS

Every candidate for the degree of Graduate in Pharmacy must be at least twenty-one years of age and of good character. He must have complied with the admission and other requirements herein set forth.

CURRICULA LEADING TO THE DEGREES

The laboratory method of teaching is used. Recitation classes are held in connection with each course in order to provide systematic drill in the subjects. Students in Pharmacy have the advantage of instruction in any department of the University.

The following curricula lead to the degrees of Graduate in Pharmacy and Bachelor of Science in Pharmacy, respectively.

GRADUATE IN PHARMACY

Freshman Year

	Semester-hours
Pharmacy 1-2.....	4
Pharmacy 3-4.....	4
Chemistry 5-6.....	8
Botany 1-2.....	6
English 1-2.....	6
Pharmacy 5-6.....	4
Pharmacy 9.....	1

Sophomore Year

	Semester-hours
Pharmacy 54.....	2
Pharmacy 61-62, 63-64.....	8
Chemistry 21-22.....	8
Pharmacy 65-66.....	6
Physics 11 and 12.....	6
Pharmacy 67.....	1
Pharmacy 77-78.....	2

33

Junior Year

	Semester-hours
Pharmacy 155 and 157.....	2
Pharmacy 151 and 153.....	2
Pharmacy 152 and 154.....	4
Pharmacy 156.....	2
Chemistry 41-42.....	8
Pharmacy 173-74.....	2
Pharmacy 165-66.....	4
Pharmacy 101-2.....	2
Bacteriology 221.....	3
Pharmacy 162.....	-
Pharmacy 169 and 170.....	4

33

Total..... 99

BACHELOR OF SCIENCE IN PHARMACY**Freshman, Sophomore, and Junior Years**

	Semester-hours
Identical with Graduate in Pharmacy Curriculum.....	99

Senior Year

	Semester-hours
Pharmacy 181-82.....	6
Chemistry 121-22 or 23 and 122.....	8
Zoology 1 and 2.....	8
Electives.....	13

34

Total..... 133

HONORS

Candidates who in their work and examinations attain general averages of ninety or more will be presented to the Faculty for consideration with reference to being designated as having graduated "with distinction."

REGULATIONS

Students in the School of Pharmacy are subject to the general University regulations as stated on pages 78-81.

AMOUNT OF WORK

Normal work for any year shall be that outlined under the head of "Curricula Leading to the Degrees."

A student who wishes to take more than the normal amount of work may do so only with the permission of the Scholarship Committee, who shall be guided in their decision by his scholastic record and the extent to which he is employed.

A student on probation shall be limited in the amount of work he may carry.

A student shall not register concurrently in the School of Pharmacy and in any other school of this or another institution except with the consent of the authorities of both schools. Evaluation of credit for work done in the other school shall be at the discretion of the Committee on Advanced Standing.

GRADES

The following grades are given: *A*, excellent; *B*, good; *C*, average; *D*, passing; *E*, conditioned; *F*, failure; *Inc.*, incomplete. A course officially dropped six weeks or more after the beginning of the course, is graded *W* followed by the letter indicating the grade of work up to that time. A course failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above *D* is given, unless the work is repeated in class. As soon as possible after the close of the term a report is mailed to each student through the Office of the Registrar. Grades are not given out by instructors. No student may repeat for credit a course in which he has received a mark above *E*.

SCHOLARSHIP

POOR SCHOLARSHIP

Warning. A student who makes a grade of *D* or below in more than one course shall be warned that he must improve his scholarship.

Probation. Students so warned who do not attain grades of *C* or higher in three fifths of their work in the succeeding semester shall be placed on probation.

A student removes his probation when he attains a grade of *C* or higher in three fifths of the work carried.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Dismissal. A student who receives a grade of *E* or *F* in two courses in two successive semesters will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Advanced Standing that during this absence from the University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted. For the purpose of these rules the Summer Sessions will be considered a semester.

STUDENTS WITH LIMITED SCHEDULES

In the case of students with limited schedules these rules will be applied only when the student has undertaken seventeen units or multiples thereof, unless he shall sooner fall under the penalty. That is, his case will be judged when he has undertaken seventeen units, again when he has undertaken thirty-four units, always excepting cases which fall under this penalty sooner.

COMPETITION AND ELIGIBILITY

Courses duly dropped or graded *Incomplete*, and courses in Physical Education, will not be considered in any way in computing standing or eligibility under the scholarship rules.

ELIGIBILITY FOR STUDENT ACTIVITIES

A student warned or on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

Before a student may participate in any student activity or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

The Dean of the School of Pharmacy may declare a student ineligible to participate in any student activity when, in the opinion of the Dean, the student's participation in such activity would be detrimental to his own best interests or the interests of the University.

EXAMINATIONS

Examinations are held at the end of the course in each subject. Students who fail to appear at a regular examination will not be examined until the next regular examination except by special permission of the Scholarship Committee of the Faculty. For special examinations a fee of \$5.00 will be charged for each subject.

CLASSIFICATION AND ADVANCEMENT OF STUDENTS

Students are divided into four classes, according to their proficiency and the time spent, viz: freshman, sophomore, junior, senior.

To be advanced, a student must not fail in more than one major or two minor subjects.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

THE SCHOOL OF EDUCATION

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

†William Carl Ruediger, Ph.D., *Dean of the School of Education.*

William Cullen French, Ph.D., *Acting Dean of the School of Education.*

COMMITTEES‡

THE DEAN'S COUNCIL

1932

J. Orin Powers

Robert Fiske Griggs

1933

Frances Kirkpatrick

Warren Reed West

1934

James Ebenezer Pixlee

Dudley Wilson Willard

ADMISSION AND ADVANCED STANDING

William Cullen French, *Chairman*

Harold Griffith Sutton

Dudley Wilson Willard

SCHOLARSHIP

William Cullen French, *Chairman*

Mitchell Dreese

Edward Henry Sehr

DISCIPLINARY RELATIONS

J. Orin Powers, *Chairman*

James Ebenezer Pixlee

Frances Kirkpatrick

STAFF OF INSTRUCTION

Charles Sidney Smith, Ph.D., *Professor of Classical Languages.*

†William Carl Ruediger, Ph.D., *Professor of Education.*

* Arranged, with the exception of the President and the Dean, on the basis of seniority

† On sabbatical leave 1931-32.

‡ The President of the University and the Dean of the School of Education are *ex officio* members of all committees.

- Edward Elliott Richardson, M.D., Ph.D., *Elton Professor of Mental and Moral Philosophy.*
- DeWitt Clinton Croissant, Ph.D., *Professor of English.*
- Thomas Benjamin Brown, Ph.D., *Professor of Physics.*
- Henry Grattan Doyle, A.M., *Professor of Romance Languages.*
- Robert Fiske Griggs, Ph.D., *Professor of Botany.*
- Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*
- Edward Henry Sehrt, Ph.D., *Professor of German.*
- Fred August Moss, Ph.D., M.D., *Professor of Psychology.*
- James Henry Taylor, Ph.D., *Professor of Mathematics.*
- William Cullen French, Ph.D., *Professor of Education.*
- Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*
- Dudley Wilson Willard, Ph.D., *Professor of Sociology.*
- James Ebenezer Pixlee, B.S., *Professor of Physical Education for Men.*
- Frank Washington Ballou, Ph.D., *Professorial Lecturer in Education.*
- Jessie Elizabeth LaSalle, A.M., *Professorial Lecturer in Education.*
- Roy Oren Billett, Ph.D., *Professorial Lecturer in Education.*
- Anna Dorothea Halberg, A.M., *Professorial Lecturer in Education.*
- Edgar Creighton Higbie, Ph.D., *Professorial Lecturer in Education.*
- J. Orin Powers, Ph.D., *Associate Professor of Education.*
- Harold Griffith Sutton, M.S., *Associate Professor of Finance.*
- Warren Reed West, Ph.D., *Associate Professor of Political Science.*
- Leland Arthur Brown, Ph.D., *Associate Professor of Zoology.*
- Ruth Harriet Atwell, Ph.B., *Associate Professor of Physical Education for Women.*
- Alva Curtis Wilgus, Ph.D., *Associate Professor of History.*
- Frances Kirkpatrick, A.M., *Assistant Professor of Home Economics.*
- Thelma Hunt, Ph.D., *Assistant Professor of Psychology.*
- Mitchell Dreese, Ph.D., *Assistant Professor of Education.*
- Mybert Eustace Broom, A.M., *Visiting Assistant Professor of Education.*
- Charles Elmer Resser, Ph.D., *Lecturer in Geography.*
- Maude Eleanor Aiton, A.M., *Lecturer on Americanization.*
- Lewis Raymond Alderman, A.B., *Lecturer on Adult Education.*
- Earl Wingert Barnhart, B.L., *Lecturer on Commercial Education.*
- Florence Van Auken Watkins, B.S., *Lecturer on Parental Education.*
- Victor Herbert Noll, Ph.D., *Lecturer in Education.*
- Charles Ricketson Allen, A.M., Sc.D., *Lecturer in Education.*

- Grace Powers Hudson, M.S., *Lecturer in Home Economics.*
Lois Coffey Mossman, Ph.D., *Lecturer in Education.*
Grace G. Purse, M.D., *Lecturer in Hygiene.*
Kathryn Mildred Towne, A.M., *Instructor in Home Economics.*
Helen Bennett Lawrence, *Instructor in Physical Education for Women.*
Claud Max Farrington, A.B., *Instructor in Physical Education for Men.*
Jean Elyle Sexton, A.B., *Instructor in Physical Education for Men.*
Ruth Mary Aubeck, B.S., *Instructor in Physical Education for Women.*
Leonard Parriek Walsh, A.B., *Instructor in Physical Education for Men.*
Agnes Rodgers, A.M., *Instructor in Physical Education for Women.*
Helen Marie Dyer, A.M., *Associate in Chemistry.*
Gladys Christine Haldeman, B.S., *Associate in Home Economics.*

GENERAL STATEMENT

INTRODUCTORY

It is the purpose of the School of Education to prepare teachers, supervisors, and administrators for the higher ranges of educational service and to offer opportunities to teachers of experience to extend their training. The School embraces the Departments of Education, Educational Psychology, Physical Education, and Home Economics, and it is affiliated with all the other departments of the University in which the student is likely to elect work. Both graduate and undergraduate work is offered.

The schedule of courses is arranged to meet the convenience of both full-time and part-time students. By attending afternoon, Saturday, and summer classes, teachers in the schools of Washington and vicinity may complete all the requirements for a degree without giving up their positions.

ADMISSION

FOR THE BACHELOR'S DEGREES

Admission to the undergraduate division of the School is based on (a) the satisfactory completion of two years—sixty semester-hours—of approved college work, or (b) graduation from an approved two-year normal school. Students meeting these requirements are admitted as regular students. Others may be admitted to the Division of University and Extension Students on the presentation of evidence that they are qualified to pursue the work to advantage.

Unless offered for admission, General Psychology must be taken concurrently with the first course in Education.

Students transferring from other colleges or from normal schools should request their high schools and their colleges or normal schools to transmit

their credentials of work to the Registrar at least one month before the beginning of the session that they wish to enter. *All credentials must be in hand before the student may register.* Credentials are official and acceptable only when transmitted directly from school to school, without passing through the hands of the student.

FOR THE MASTER'S DEGREE

To be admitted to graduate standing a candidate must hold a baccalaureate degree from an accredited school or college or must have completed a course of study that is judged by the Faculty to be the equivalent. Candidates holding degrees from unaccredited institutions, whose work is judged by the Faculty to be more than twelve semester-hours short of a standard baccalaureate degree, must register for the Bachelor of Arts degree; others may remove their deficiencies while registered for the higher degree.

ADVANCED STANDING

Graduate work completed in other accredited institutions of learning may be credited toward the Master's degree to the extent of six to twelve semester-hours.

Advanced courses completed in excess of the requirements for the baccalaureate degree in The George Washington University may be credited toward the Master's degree to the extent of twelve semester-hours, provided the work fits in with the student's plan of specialization and is approved in writing by the Dean before it is undertaken.

Transferred work completed more than three years prior to registration for the Master's degree at The George Washington University will be credited only if the candidate successfully passes an examination given by his committee on the subject-matter of the work offered for credit.

REGISTRATION

For information regarding registration, see pages 61-62.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The following scholarships may be assigned to undergraduate students in the School of Education: Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; David Spencer Scholarship; John Withington Scholarship.

For particulars regarding application for, and the award of, these scholarships, see pages 68-70.

For information regarding prizes, see pages 71-76.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77.

THE DEGREES

The degrees of Bachelor of Arts in Education, Bachelor of Science in Home Economics, Bachelor of Science in Physical Education, and Master of Arts are conferred.

THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF SCIENCE

REQUIREMENTS FOR THE DEGREES

To be recommended for a degree the student must have satisfied the admission, residence, and curriculum requirements.

RESIDENCE

A minimum of one full year, or thirty semester-hours, must be completed in residence. Summer Sessions work may be counted in residence, but in no case may the period of residence aggregate less than thirty weeks. Unless special permission has been granted by the Faculty to pursue the work elsewhere, the last work before graduation must be completed in residence.

NORMAL-SCHOOL GRADUATES

Graduates of accredited two-year normal schools are granted the degree of Bachelor of Arts in Education on the completion of seventy-two semester-hours of work, including required courses.

The requirement in Education may be satisfied by the completion of twelve semester-hours of work, exclusive of the six semester-hours of credit granted for successful teaching experience. The unsatisfied requirements should be determined in consultation with the Dean.

SCHOLARSHIP

A scholarship index of 2.00 or higher is required for graduation. The grades assigned carry the following quality points for each semester-hour of work: *A*, four points; *B*, three points; *C*, two points; *D*, one point; *E*, no points; *F*, minus one point.

The scholarship index is obtained by dividing the sum of the quality points by the sum of the semester-hours of credit.

ADVANCED COURSES

At least thirty semester-hours of work must consist of courses numbered 101 or above.

APPLICATION FOR GRADUATION

Application for graduation should be filed at the time of registration for the first semester of the senior year.

CURRICULA LEADING TO THE DEGREES

BACHELOR OF ARTS IN EDUCATION

Exclusive of the two years of approved college work prescribed for admission, the University confers the degree of Bachelor of Arts in Education on the completion of the following sixty-six semester-hours of work:

	Semester-hours
Applied or Educational Psychology.....	3
Principles and Technique of Teaching.....	4
History of Education.....	3
Elementary or Secondary Education.....	4
Observation and Practice Teaching.....	6
Electives in Education.....	7
Subject-matter Group.....	24
Electives.....	15
	66

The "subject-matter group" mentioned in the above table indicates that, under the guidance of a member of the Faculty designated by the Dean, each student before graduation shall have completed a minimum of twenty-four semester-hours of work in one of the following groups: Biological Sciences; Classical Languages; English; Germanic Languages; Geology, Geography, Astronomy; Graphic Art; Home Economics; Mathematics; Philosophy and Psychology; Physical Sciences; Romance Languages; Social Sciences.

BACHELOR OF SCIENCE IN HOME ECONOMICS

At the beginning of the junior year, each student majoring in Home Economics must select one of the following groups. All electives must be chosen with the advice of the Executive Officer.

1. Foods and Nutrition

Junior Year

	Semester-hours
Home Economics 101.....	3
Home Economics 102.....	3
Chemistry 41-42 or 51-52.....	8 or 6
Physiology.....	3
Economics.....	6
Electives.....	7 or 9

The School of Education

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Senior Year

	Semester- hours
Home Economics 151.....	3
Home Economics 152.....	3
Home Economics 192.....	3
Education 109-10.....	4
Sociology.....	3
Electives.....	14
	30

II. Clothing and Textiles

Junior Year

	Semester- hours
Home Economics 72.....	3
Home Economics 121.....	3
Home Economics 140.....	3
Graphic Art.....	3
Economics.....	6
Electives.....	12
	30

Senior Year

	Semester- hours
Home Economics 160.....	3
Home Economics 171.....	3
Home Economics 192.....	3
Education 109-10.....	4
Sociology.....	3
Electives.....	14
	30

III. General Home-Economics Teaching

Junior Year

	Semester- hours
Education 115.....	3
Education 126.....	3
Education 128.....	3
Home Economics 101.....	3
Home Economics 102.....	3
Home Economics 121.....	3
Home Economics 140.....	3
Chemistry 51-52 (or Graphic Art).....	6
Electives.....	6
	33

Senior Year

	Semester- hours
Education 109-10.....	4
Education 129.....	3
Education 151 or 152.....	3
Home Economics 151.....	3
Home Economics 152.....	3
Home Economics 171.....	3
Home Economics 192.....	3
Electives.....	11
	33

BACHELOR OF SCIENCE IN PHYSICAL EDUCATION

For Men

Junior Year

	Semester- hours
Education 115 and 116.....	6
English 119-20.....	6
Physical Education 109-10.....	6
Physical Education 111-12.....	4
Physical Education 117-18.....	4
Physical Education 129-30.....	6
	32

Senior Year

	Semester- hours
Education 151 and 152.....	6
Physical Education 173-74.....	6
Physical Education 177-78.....	6
Physical Education 179-80.....	6
Physical Education 161-62.....	4
Electives.....	6
	34

For Women

Junior Year

	Semester- hours
Physical Education 101-2.....	6
Physical Education 106.....	3
Public Speaking 1.....	3
Physical Education 103-4.....	6
Education 115 and 126.....	6
Physical Education 107 and 108.....	3
Physical Education 109-10.....	6
	33

Senior Year

	Semester-hours
Physical Education 111-12.....	6
Education 151 and 152.....	6
Physical Education 113-14.....	6
Physical Education 115.....	2
Physical Education 116.....	3
Physical Education 117.....	2
Physical Education 118.....	2
Electives.....	6

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HONORS

GENERAL HONORS

Two grades of General Honors are granted on graduation by vote of the Faculty: "with distinction" and "with high distinction."

"With distinction" may be granted to students with a scholarship index of 3.00 or higher.

"With high distinction" may be granted to students with a scholarship index of 3.50 or higher.

SPECIAL HONORS

Special Honors may be awarded by the Faculty to members of the graduating class for outstanding achievement in the student's major field of work on recommendation of the major department under the following regulations:

1. The student shall have his candidacy for Special Honors approved by the Faculty member representing the major department not later than the beginning of the senior year.
2. The candidate shall meet such other conditions as the major department may set at the time the student's candidacy is approved.

THE DEGREE OF MASTER OF ARTS

REQUIREMENTS FOR THE DEGREE

RESIDENCE

A candidate must pass in resident study at this University at least two semesters, or one semester and one nine-week summer term, or three nine-week summer terms, or four six-week summer terms.

CLASS WORK

The completion of a minimum of twenty-four semester-hours is required. This amount of work may be increased by the student's committee when the student's previous preparation in his chosen field of study has been meager; e.g., students desiring to major in Education, who have

had no previous work in this field, may be required to take as many as twelve additional semester-hours. The choice of subjects must be approved by the student's committee and must form a coherent plan of specialization. At least six semester-hours of work must be chosen from courses numbered 201 or above.

THE THESIS

The thesis counts as six semester-hours of work toward the degree and must be duly registered for. The thesis subject must be approved in writing and recorded in the Office of the Registrar not later than the beginning of the semester or Summer Sessions in which the thesis is due.

Every candidate for the Master's degree must present a thesis in his major subject. The thesis in final form must be typewritten on official thesis paper and bound in cloth or leather.

The title-page of the thesis must read as follows:

(title of thesis)
By (name of candidate)
(degrees held)

A thesis submitted to the Faculty of the School of Education of The George Washington University in part satisfaction of the requirements for the degree of Master of Arts.

(Date of Convocation at which the degree is to be conferred)

The thesis in completed form must be submitted to the Dean for record at least four weeks before the Convocation.

ORAL EXAMINATION

At least three weeks before the Convocation at which the degree is to be conferred, the candidate must pass an oral examination on his thesis and major field of work before a committee of at least five members appointed by the Dean. The conclusion of this examination, signed by the members of the examining committee, must be transmitted to the Dean by the chairman of the student's committee at least two weeks before the Convocation.

COURSES FOR ADVANCED CREDIT

Courses numbered 1-100 may not be credited toward the Master's degree, but in certain instances such courses may be required as a basis for advanced work. Strictly graduate courses are numbered 201 and above. Courses numbered 101-200 may be credited toward the Master's degree when approved by the student's committee and after the completion of additional work in them has been certified by the respective instructors in charge.

REGULATIONS

Students in the School of Education are subject to the general University regulations as stated on pages 78-81.

AMOUNT OF WORK

A normal program of work for undergraduate students is sixteen hours a week. Students with a scholarship index of 3.00 or higher may, with the Dean's permission, take nineteen hours. More than nineteen hours may not be taken except by special permission of the Scholarship Committee.

For employed students nine hours a week constitutes a normal program of work. Students with a scholarship index of 3.00 or higher for the preceding semester may be permitted by the Dean to take twelve or thirteen hours.

For graduate students twelve hours a week, exclusive of the thesis, constitutes a normal program of work. Employed students may not take more than nine hours a week.

A student may not register concurrently in the School of Education and in any other school of this or another institution except with the consent of the authorities of both schools.

GRADES

The following grades are given: *A*, excellent; *B*, good; *C*, average; *D*, passing; *E*, conditioned; *F*, failure; and *Inc.*, incomplete. A course that has been failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above *D* is given. The grade of *D* carries no credit in graduate work.

SCHOLARSHIP

SUPERIOR SCHOLARSHIP

The names of students whose scholarship record as a whole is satisfactory and whose scholarship index is 3.00 or higher on a minimum of fifteen semester-hours of work preceding the close of any semester, are placed on an Honor Roll and published. Students on the Honor Roll are placed on their own responsibility in respect to class attendance.

POOR SCHOLARSHIP

Probation. Students whose scholarship index falls below 2.00 are automatically placed on probation. Such students go off probation when their scholarship index reaches 2.00 or higher.

Dismissal. Students who fail to pass (*E* or *F*) in half or more of their work, based on a minimum of sixteen semester-hours, are dropped.

A student who has been dropped for poor scholarship may within ten days appeal his case to the Scholarship Committee through the Dean. If

the case appears to be remediable and the student appears likely to improve in his scholarship thereafter, the Committee may readmit him on probation. A student who has been denied readmission on probation may petition the Scholarship Committee through the Dean for readmission after the lapse of one semester. A student who has been dropped twice will not be readmitted.

ELIGIBILITY FOR STUDENT ACTIVITIES

While on probation a student may not represent the University on its athletic teams or in any other intercollegiate activities, nor serve as an officer or member of a committee in any class or student organization.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

THE SCHOOL OF GOVERNMENT

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*
_____, *Dean of the School of Government.*

STAFF OF INSTRUCTION

William Allen Wilbur, A.M., Litt.D., LL.D., *Professor of English.*
DeWitt Clinton Croissant, Ph.D., *Professor of English.*
Truman Michelson, Ph.D., *Professor of Ethnology.*
Charles Edward Hill, Ph.D., *Professor of Political Science.*
John Donaldson, Ph.D., *Professor of Political Economy.*
George Morton Churchill, Ph.D., *Professor of History.*
Samuel Flagg Bemis, Ph.D., *Professor of History.*
Edward Henry Sehrt, Ph.D., *Professor of German.*
Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and
Business Administration.*
Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*
Fred August Moss, Ph.D., M.D., *Professor of Psychology.*
Dudley Wilson Willard, Ph.D., *Professor of Sociology.*
Frederic Austin Ogg, Ph.D., *Visiting Professor of Political Science.*
Joseph Steinhauer Zucker, Ph.D., *Professorial Lecturer on Taxation.*
Cecil Knight Jones, B.Litt., *Professorial Lecturer on Spanish-American
Literature.*
Mark Anson Smith, Ph.D., *Professorial Lecturer on Economic History.*
Albert Bushnell Hart, Ph.D., LL.D., Litt.D., *Professorial Lecturer in
History.*
William Frederick Notz, Ph.D., *Professorial Lecturer in Economics.*
Stephen Panarettoff, A.M., *Professorial Lecturer in Political Science.*
Elmer Louis Kayser, A.M., *Associate Professor of History.*
Harold Griffith Sutton, M.S., *Associate Professor of Finance.*
Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*
Warren Reed West, Ph.D., *Associate Professor of Political Science.*
John Albert Tillema, Ph.D., LL.B., *Associate Professor of Political Science.*
Alva Curtis Wilgus, Ph.D., *Associate Professor of History.*

* Arranged, with the exception of the President and the Dean, on the basis of seniority.

Lowell Joseph Ragatz, Ph.D., *Associate Professor of History.*

Daniel Houston Buchanan, Ph.D., Sc.D., *Associate Professor of Economics.*

Carlton Coke Rister, Ph.D., *Visiting Associate Professor of History.*

William Crane Johnstone, jr., Ph.D., *Assistant Professor of Political Science.*

Charles Elmer Resser, Ph.D., *Lecturer in Geography.*

Ralph Dale Kennedy, A.M., *Instructor in Economics.*

GENERAL STATEMENT

INTRODUCTORY

The George Washington University School of Jurisprudence and Diplomacy existed from 1898 to 1910, when it was discontinued as a separate school. The courses were given, however, in Columbian College until September, 1928, when training in foreign service and governmental theory and administration was reestablished as a separate branch under the School of Government.

It is the purpose of the School of Government of The George Washington University to give the students an understanding of the responsibilities under the Constitution of the United States in the conduct of public office—domestic and foreign. This can be accomplished, not through any single course, but through a curriculum which ties together social, economic, political, historical, and psychological studies.

The courses in Domestic Government train in the theory of, and practice in, local, State, and national positions. The courses in Foreign Service train students for the many opportunities offered in the foreign fields to carry out the ideals for which America stands, not only in governmental work but in the much wider field of foreign trade as conducted by private enterprise in all parts of the world. This training fits the student especially to assist American citizens who have occasion to travel or to do business abroad, to understand their reciprocal rights and duties, and to protect them in these rights without infringing upon the rights of others, as well as to collect and report information concerning commercial conditions and opportunities abroad. The student thus gains an insight into international affairs from both the American and the foreign point of view, with a resultant broader understanding of economic and political problems.

ADMISSION

For general regulations regarding admission and the filing of credentials, see pages 57-60.

FOR THE BACHELOR'S DEGREE

Admission to the undergraduate division in the School is based on a Junior Certificate from the Junior College or on the evidence of the satis-

factory completion of two years of approved college work. Students meeting these requirements are admitted as regular students. These requirements include certain specified courses, which are indicated in the Junior College section of this catalogue.

FOR THE MASTER'S DEGREE

To be admitted to standing for third-year work in the School a candidate must have been granted a baccalaureate degree by an accredited school or college, or he must have completed a course of study that is judged by the Faculty to be the equivalent. Students from unaccredited institutions may be admitted, in the discretion of the Dean. Such students shall be required to take such extra work above the minimum requirements for the degree sought as may be prescribed, and they shall be registered in the Division of University and Extension Students until such work is completed.

The course of study pursued for the Bachelor's degree must be approved by the Dean as having provided the proper basic training to justify registration for the higher degree. The Dean may permit deficiencies to be made up concurrently with work for the degree. A student taking full work for any other degree, here or elsewhere, shall not be admitted to candidacy for a higher degree here.

Candidates for admission to courses for the Master's degree must make application to the Dean of the School of Government and must present certificates of the degrees they hold from institutions conferring such degrees. A student is formally recognized as a candidate for the Master's degree only when his application for candidacy has been approved by his major department and the Dean of the School of Government.

A student, before being admitted to candidacy for the Master's degree, shall show a reading knowledge of at least one foreign language, to be selected by his major department.

ADVANCED STANDING

Advanced work in other institutions of learning may be credited toward the Master's degree in this University to the extent of not more than twelve semester-hours. Candidates requesting advanced standing must present detailed certificates of the work for which they ask credit. Work completed here or elsewhere more than three years prior to the registration for a higher degree here, will be counted towards such a degree only if the candidate successfully passes an examination on the subject-matter of the work offered for credit.

Advanced courses taken in the senior year of college may be counted to the extent of not over twelve semester-hours towards a higher degree, provided that the student shall notify the Dean of the School of Government, at the beginning of each such course, of his desire to count it towards

a higher degree, and provided that the student shall have done such extra work on the course as may be prescribed by the department concerned. No work counted towards a Bachelor's degree shall be counted towards a higher degree.

SPECIAL STUDENTS

Special students and auditors are referred to the Division of University and Extension Students.

REGISTRATION

For information regarding registration, see pages 61-62.

Before registering, a candidate for a degree must secure the written approval of his choice of subjects from his major department and the Dean.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The following scholarships may be assigned in the School of Government: Byron Andrews Scholarships; Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; A. Morehouse Scholarship; David Spencer Scholarship; Withington Scholarship.

For particulars regarding application for, and the award of, these scholarships, see pages 68-70.

For information regarding prizes, see pages 71-76.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77.

INDEPENDENT STUDY PLAN

Under the Independent Study Plan a student of demonstrated capacity with special interest in a course, may, upon approval of his project by the instructor in charge and by the Committee on Independent Study, be permitted to undertake independent study under the personal direction of the instructor. Under this plan the student, though relieved of formal class requirements, will cover the essentials of the course and, in addition, will develop the particular field of his project. Any project may be terminated at the end of any semester at the option of either student or instructor.

THE DEGREES

The degrees offered are Bachelor of Arts and Master of Arts.

THE DEGREE OF BACHELOR OF ARTS

On the satisfactory completion of the prescribed course of study, the degree of Bachelor of Arts in Government, with a designation of the major field of study, is conferred.

REQUIREMENTS FOR THE DEGREE

Candidates for the degree must satisfy the admission, residence, scholarship, and curriculum requirements, including 124 semester-hours of work.

RESIDENCE

A minimum of one year, or thirty semester-hours, must be completed in residence. The work of the senior year is to be done in residence. Exceptions will require the approval of the Dean. Residence may be satisfied, in whole or in part, in the Summer Sessions by periods aggregating not less than thirty weeks.

SCHOLARSHIP

A quality-point index of at least 2.00 is required for graduation. Quality points are figured as follows: *A*, four points; *B*, three points; *C*, two points; *D*, one point; *E*, no points; *F*, minus one point, for each semester-hour of credit.

The successful repetition of a course in which a grade of *F* was received, removes the minus quality points involved, and the appropriate quality points are assigned for the grade thus received.

The quality-point index is obtained by dividing the total number of quality points by the total number of semester-hours for which the student has registered, both based upon the complete collegiate record. Courses dropped by permission, or graded *Inc.*, are not considered in determining the quality-point index.

APPLICATION FOR GRADUATION

Application for graduation should be filed at the time of registration for the first semester of the senior year.

CURRICULA LEADING TO THE DEGREE

After the Junior College requirements,* the School of Government requires a minimum of sixty semester-hours during the two senior-college years for recommendation for graduation. There are six curricula, each leading to the degree of Bachelor of Arts with a designation of the major field of study. They are: Government; Business Administration; Finance; Domestic Commerce; Foreign Service; and Foreign Commerce.

* See "Requirements for the Certificate," under the statement of the Junior College.

GOVERNMENT

Political Science 111-12 (Comparative European Governments, six hours); 121 (Constitutional Law, three hours); and either 181-82 (International Law, six hours) or 171-72 (International Relations, six hours); other courses, nine hours.

Economics.....	12 hours
History.....	12 hours
Electives.....	12 hours
Total.....	60 hours

Recommended courses from which electives may be selected: Political Science 115 (Municipal Government in the United States, three hours), 116 (Political Parties, three hours), 124 (Legislative Organization, three hours); Economics 123 (Public Finance, three hours), 124 (Federal Taxation, three hours), 191-92 (International Economic Relations, six hours), 159-60 (Commercial and Maritime Law, six hours); History (various courses); English (preferably courses in composition and literature); Sociology; Ethnology; Physical and Human Geography; Modern Foreign Languages; Public Speaking.

BUSINESS ADMINISTRATION

Economics 109-10 (Commercial Geography, six hours); 119 (Money and Banking, three hours); 120 (Banking Systems, three hours); 124 (Federal Taxation, three hours); 131 (Business Organization and Control, three hours); 132 (Business Management, three hours); 137-38 (Advanced Accounting, six hours); 139 (Cost Accounting, three hours) or 143 (Accounting Theory and Problems, three hours); 140 (Auditing, three hours); 147 (Marketing, three hours); 159-60 (Commercial and Maritime Law, six hours).

Political Science.....	6 hours
Electives.....	12 hours
Total.....	60 hours

FINANCE

Economics 109-10 (Commercial Geography, six hours); 119 (Money and Banking, three hours); 120 (Banking Systems, three hours); 123 (Public Finance, three hours); 124 (Federal Taxation, three hours); 126 (International Banking and Exchange, three hours); 135 (Corporation Finance, three hours); 136 (Investments, three hours); 147 (Marketing, three hours); 159-60 (Commercial and Maritime Law, six hours).

Political Science.....	12 hours
Electives.....	12 hours
Total.....	60 hours

DOMESTIC COMMERCE

Economics 105 (History of Commerce, three hours); 106 (Economic History of the United States, three hours); 109-10 (Commercial Geography, six hours); 119 (Money and Banking, three hours); 120 (Banking Systems, three hours); 131 (Business Organization and Control, three hours); 132 (Business Management, three hours); 135 (Corporation Finance, three hours) or 136 (Investments, three hours); 147 (Marketing, three hours); 191-92 (International Economic Relations, six hours).

Political Science.....	12 hours
Electives.....	12 hours
Total.....	60 hours

FOREIGN SERVICE

Political Science 111-12 (Comparative European Governments, six hours) or 171-72 (International Relations, six hours); 181-82 (International Law, six hours); 191 (Near East, three hours) or 192 (Far East, three hours); 195-96 (Political Institutions of Hispanic-America, six hours); and three additional hours.

Economics 109-10 (Commercial Geography, six hours); 159-60 (Commercial and Maritime Law, six hours); 191-92 (International Economic Relations, six hours); and three additional hours.

History: six hours of courses to be selected from 105-6 (History of the Foreign Relations of the United States, six hours), 141-42 (History of Modern Colonization, six hours), and 143 (Modern Imperialism, three hours).

Electives.....	12 hours
Total.....	60 hours

Electives recommended are Economics 105 (History of Commerce, three hours), 106 (Economic History of the United States, three hours), 126 (International Banking and Exchange, three hours); Political Science 191 (Near East, three hours); courses in Ethnology, Sociology, Physical and Human Geography, and Public Speaking.

The following courses offered by the Law School may be taken as electives by students who have had at least two years of Law in an approved law school: Administrative Law, Conflict of Laws, and Municipal Corporations.

If a student is a graduate of an approved law school, he may elect the course in Roman Law.

FOREIGN COMMERCE

Economics 105 (History of Commerce, three hours); 106 (Economic History of the United States, three hours); 109-10 (Commercial Geography, six hours); 119 (Money and Banking, three hours); 120 (Banking Systems, three hours); 126 (International Banking and Exchange, three

hours); 150 (Exporting and Importing, three hours); 159-60 (Commercial and Maritime Law, six hours); 191-92 (International Economic Relations, six hours).

Political Science 181-82 (International Law, six hours); and six hours selected from 171-72 (International Relations, six hours), 191 (Near East, three hours), 192 (Far East, three hours), 195-96 (Political Institutions of Hispanic-America, six hours).

Electives.....	12 hours
Total.....	60 hours

FOREIGN-LANGUAGE REQUIREMENTS

Every student must also possess a reading knowledge of a modern language, and he must file with the Registrar a certificate of that fact given by one of the modern language departments.

Examinations in modern languages will be given between October 15 and November 1 and between April 15 and May 1. Students should consult the Executive Officer of the department concerned.

HONOR ROLL

The names of students who have completed a minimum of fifteen semester-hours and whose quality-point index is 3.30 or higher, based on the complete collegiate record, are placed on the Honor Roll and published each semester. A place on the Honor Roll does not mean that the student will graduate with honors.

HONORS

General and Special Honors may be awarded at graduation. A student may be awarded both General and Special Honors.

GENERAL HONORS

There are two classes of General Honors: "with distinction" and "with high distinction." General Honors are based upon the student's quality-point index on all work taken, both here and elsewhere, except for the grades of the semester immediately preceding the granting of the degree.

"With distinction" is given at the discretion of the Faculty to those attaining a quality-point index of 3.30 or higher.

"With high distinction" is given at the discretion of the Faculty to those eligible for "distinction."

To be eligible for General Honors, a student must have had at least three fourths of his work towards the degree at this University and may have had no grade below *D* after the freshman year.

SPECIAL HONORS

Special Honors may be awarded in individual fields, e.g., in Chemistry, Economics, or English.

Special Honors shall be awarded only upon recommendation of the major department after the candidate has successfully completed all the special work assigned in connection with honors and has successfully passed a general examination bearing on his major subject in the junior and senior years.

Any student whose work in the freshman and sophomore years, whether done in The George Washington University or elsewhere, is satisfactory in the opinion of the major department, and who spends his junior and senior years at The George Washington University, may become a candidate for Special Honors.

In addition to the curriculum taken as a major for graduation, the candidate shall do such additional reading or other work in the junior and senior years as may be directed by the major department, and such work shall be tested and evaluated as the major department sees fit.

No student shall be awarded Special Honors unless he has a quality-point index of at least 3.00 on all work taken, both here and elsewhere, except for the grades of the semester immediately preceding the granting of the degree.

THE DEGREE OF MASTER OF ARTS

The School of Government confers the degree of Master of Arts with a designation of the major field of study. The major fields are: Government; Business Administration; Finance; Domestic Commerce; Foreign Service; and Foreign Commerce.

REQUIREMENTS FOR THE DEGREE

Thirty semester-hours of work, distributed at the discretion of the Dean, must be completed successfully. A thesis, counting six semester-hours of the above thirty semester-hours, may or may not be required at the discretion of the Dean.

At least twelve semester-hours must be taken in the School of Government, irrespective of the amount transferred from other institutions.

Part of the work for the Master's degree may be taken in the School of Medicine or the Law School, but work so taken cannot be counted toward both the Master's degree and a degree in Medicine or Law. A candidate for the Master's degree may take not more than twelve semester-hours in the School of Medicine or the Law School, but the major subject must be taken under a member of the Faculty of a non-professional School.

RESIDENCE

A candidate for a Master's degree must pass in residence and study at this University at least two semesters, or one semester and one summer

term of nine weeks, or three summer terms of nine weeks each, or four summer terms of six weeks each. Students who plan to complete their work for the Master's degree in the minimum time, should consult the Dean well in advance of registering. No credit shall be granted for work done in absentia, i.e., without formal instruction here or at some other institution of learning, except for the thesis, which may be completed in absentia with the permission of the department concerned.

THE THESIS

In case a thesis is required, it must be registered for not later than the beginning of the final year, unless the professor in charge of the thesis permits registration at the beginning of the final semester. For this purpose the nine weeks' term of the Summer Sessions is considered as a semester. The choice of the thesis subject must be approved by the professor in charge of the major and recorded in the Office of the Registrar by the date announced in the University calendar. The typewritten thesis in its final form must have the approval of the professor and must be presented to the Dean by the student. Official thesis paper and binder may be obtained at the University Store Room in Stockton Hall.

The title-page of the thesis must be in the following form:

(title of thesis)
By (name of candidate)
(degrees held)

A thesis submitted to the Faculty of the School of Government of The George Washington University in part satisfaction of the requirements for the degree of Master of Arts.

(Date of Convocation at which the degree is to be conferred)

COURSES OF STUDY

Work credited toward a higher degree must be chosen from courses numbered 101 and above. Strictly graduate courses are numbered 201 and above. Courses numbered 101-200 may be credited toward a higher degree only when approved by the student's committee and after the completion of additional work in them has been certified by the respective instructors in charge.

GUIDANCE OF STUDENTS

Every candidate for a higher degree is under the guidance of a committee consisting of those members of the staff with whom he takes, or expects to take, work counting toward the degree, the professor of his major subject being chairman. It is the duty of this committee to outline the student's program of work, to approve his choice of a thesis subject, to conduct all general examinations, and to determine if he shall be recommended for the degree.

REGULATIONS

Students in the School of Government are subject to the general University regulations as stated on pages 78-81.

AMOUNT OF WORK

Fifteen semester-hours constitute normal work. Students in good standing may be permitted by the Dean to take sixteen or seventeen semester-hours.

Students on the Honor Roll may, with the permission of the Dean, take eighteen or nineteen semester-hours.

For employed students, working more than twenty-four hours a week, nine semester-hours is normal work. Employed students in good standing desiring to take four-semester-hour courses, may be permitted by the Dean to take ten semester-hours. Employed students on the Honor Roll may be permitted by the Dean to take twelve semester-hours.

A student shall not register concurrently in the School of Government and in any other school of this or another institution except with the consent of the authorities of both schools. Allowance of credit for work done concurrently shall be at the discretion of the Dean.

GRADES

The following grades are given for undergraduate work only: *A*, excellent; *B*, good; *C*, fair; *D*, passing; *E*, conditioned; *F*, failure; *Inc.*, incomplete. A course that has been failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above *D* is given. As soon as possible after the close of the term a report is mailed to each student through the Office of the Registrar. Grades are not given out by instructors.

For graduate students the following grades are given: *Satisfactory*, *Unsatisfactory*, and *Incomplete*.

SCHOLARSHIP

POOR SCHOLARSHIP

Probation. Students must maintain a total quality-point index of at least 2.00 or they are placed on probation. Students remain on probation as long as they fail to attain this index.

Suspension. Students having a quality-point index below 1.00, or who are placed on probation for the third semester, whether successive or after an interval, are suspended.

Students suspended for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence that during this absence from the

University he has so conducted himself as to indicate that he will profit by readmission. Students dropped twice for poor scholarship will not be readmitted.

STUDENTS WITH LIMITED SCHEDULES

In the case of students with limited schedules, these scholarship rules are applied only when the student has undertaken fifteen semester-hours or more.

COMPETITION AND ELIGIBILITY

Courses duly dropped or graded *Incomplete* will not be considered in any way in computing standing or eligibility under the scholarship rules.

SCHOLARSHIP REQUIREMENTS FOR GRADUATION

See "Scholarship," under "The Degree of Bachelor of Arts," above.

ELIGIBILITY FOR STUDENT ACTIVITIES

A student on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

Before a student may participate in any student activity or serve as an officer in any class or student organization, he must be certified as eligible by the University Registrar.

A student may be declared ineligible to participate in any student activity by the Dean of the School when, in the opinion of the Dean, the student's participation in such activity is, or would be, detrimental to his own best interests or the interests of the University.

CLASSIFICATION OF STUDENTS

Students are divided into classes as follows: *junior*—a student who has earned sixty-four semester-hours of credit, and *senior*—a student who has earned ninety-four semester-hours of credit.

INFORMATION ON CERTAIN BRANCHES OF GOVERNMENTAL FOREIGN SERVICE

DEPARTMENT OF STATE

An act of Congress of May 24, 1924, provides for the reorganization of the Foreign Service and consolidates the Consular and Diplomatic services so far as status of personnel and requirements for entrance are concerned. A bulletin entitled *American Foreign Service* reads, in part, as follows:

Scope of Examination: The examination will be in two parts, one written and the other oral, each part counting equally. The written examination will include the subjects prescribed by the President, to wit: Modern languages (French, Spanish, or German is required, and a candidate may offer, in the oral test, in

addition to one of these any languages with which he may be familiar); elements of international, commercial, and maritime law; political and commercial geography; the natural, industrial, and commercial resources and commerce of the United States with especial relation to the possibilities of trade expansion and protection; American history, government and institutions; the history since 1850 of Europe, Latin America, and the Far East, with particular attention to political and economic tendencies; and the elements of political economy. Candidates will be examined in arithmetic as used in commercial statistics, tariff calculations, exchange and simple accounting, and they will be rated in English, composition, grammar, punctuation, spelling, and penmanship as shown by their replies to questions in the written examination.

The oral examination will be designed to ascertain the physical, mental, and temperamental qualifications of candidates for the proper performance of the duties of the Foreign Service; their character, ability, address, judgment, and fitness, general education and culture, and contemporary information, experience, and business ability.

FOREIGN SERVICE—DEPARTMENT OF COMMERCE

A bulletin entitled *Appointments to Positions at Home and Abroad in the Bureau of Foreign and Domestic Commerce*, with reference to "Qualification Standards," reads, in part, as follows:

The following qualifications are stated very broadly; several of them pertain particularly to applicants for foreign service. If the fact be kept in mind that there are two classes of field service—foreign and domestic—the reader will have little difficulty in determining to which of these classes any particular statement applies.

Aside from a good address and appearance, some of the principal requirements may be enumerated as follows:

(a) A thorough knowledge of the principles of economics, banking, commercial geography, and foreign trade.

(b) A thorough knowledge of international trade movements and practice.

(c) A general knowledge of export trade technique.

(d) A thorough reading and speaking knowledge of at least one foreign language of commercial importance.

(e) Residence or travel abroad is highly desirable.

(f) Experience in some business undertaking which gives a broad view of trade development and intimate knowledge of business practices.

(g) Ability to address public gatherings.

(h) Ability to write good, businesslike reports.

(i) A knowledge of the resources of the United States and familiarity with industrial development of the country in relation to both domestic and export trade.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

THE DIVISION OF LIBRARY SCIENCE

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

†Alfred Francis William Schmidt, A.M., *Director of the Division of Library Science.*

STAFF OF INSTRUCTION

†Alfred Francis William Schmidt, A.M., *Professor of Library Science.*

George Franklin Bowerman, A.B., B.L.S., L.H.D., *Professorial Lecturer in Library Science.*

Ernest Cushing Richardson, Ph.D., *Professorial Lecturer in Library Science.*

Charles Martel, *Professorial Lecturer in Library Science.*

Elizabeth Adams Lathrop, A.B., *Assistant Professor of Library Science.*

Claribel Ruth Barnett, Ph.B., B.L.S., *Lecturer in Library Science.*

Elizabeth Orlan Cullen, M.S., *Lecturer in Library Science.*

Clara Wells Herbert, *Lecturer in Library Science.*

Ernest Kletsch, *Lecturer in Library Science.*

Belknap Severance, A.B., *Associate in Library Science.*

GENERAL STATEMENT

ADMISSION

The Certificate of Junior Standing from the Junior College, or its equivalent, will be accepted for admission to the Division of Library Science. It is recommended that students expecting to enter the Division should have at least two years of either French or German, courses in General Psychology and Principles of Sociology, and a knowledge of typewriting.

Careful consideration will be given to the aptitude and personal qualifications for library work of all applicants. In general, an applicant over thirty-five years of age is not encouraged to enter training for service in public libraries.

ADVANCED STANDING

Advanced standing will be allowed for courses taken in accredited colleges. Library experience will not be credited toward graduation. However, students with professional experience may be released from the practice work required in connection with classroom instruction.

* Arranged, with the exception of the President, the Director, and the Acting Director, on the basis of seniority.

† On sabbatical leave 1931-32.

GRADUATE WORK

To be admitted to graduate standing in the Division of Library Science a student must have previously completed the required undergraduate courses in Library Science and hold a baccalaureate degree. Such students as undertake graduate work in Library Science will confer with the Director of the Division concerning course and thesis requirements.

SPECIAL STUDENTS

Persons not candidates for degrees may do work as special students. Such students are referred to the Division of University and Extension Students.

For the general regulations regarding admission and the filing of credentials, and a description of prescribed studies, see pages 57-60.

REGISTRATION

For information regarding registration, see pages 61-62.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The following scholarships may be assigned to students in the Division of Library Science: Maria M. Carter Scholarship; Citizens' Military Training Camps Scholarship; Isaac Davis Scholarship; David Spencer Scholarship; John Withington Scholarship.

For particulars regarding application for, and the award of, these scholarships, see pages 68-70.

For information regarding prizes, see pages 71-76.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77.

THE DEGREE

The courses in Library Science are designed to give students professional training that will prepare them to enter upon active library service. A two-year upper-division curriculum, in combination with the required Junior College work, leads to the degree of Bachelor of Arts in Library Science.

REQUIREMENTS FOR THE DEGREE

To be recommended for a degree the candidate must have obtained the Certificate of Junior Standing and satisfied the residence and the curriculum requirements of the Division, which include sixty semester-hours of work.

RESIDENCE

Of the 124 semester-hours in the Junior College and in the senior colleges required for graduation, at least thirty must be taken in the Division of Library Science. Residence may be satisfied in the Summer Sessions by periods aggregating not less than thirty weeks.

SCHOLARSHIP

A scholarship index of 2.00 or higher is required for graduation. The grades assigned carry the following quality points for each semester-hour of work: *A*, four points; *B*, three points; *C*, two points; *D*, one point; *E*, no points; *F*, minus one point.

The scholarship index is obtained by dividing the sum of the quality points by the sum of the semester-hours of credit.

APPLICATION FOR GRADUATION

Application for graduation should be filed at the time of registration for the first semester of the senior year.

CURRICULUM LEADING TO THE DEGREE

The curriculum is planned for students electing Library Science as a major. A librarian must have, in addition to executive training, scholarly attainments based on deep cultural interests and sympathies. He should be trained in the modern languages, and in history, sociology, literature, and science. The curriculum, as outlined, combines these features with the technical subjects.

Junior Year

	Semester-hours
Library Science 101-2.....	6
Library Science 121-22.....	6
Library Science 131 and 132.....	6
Sociology (second group) or Education.....	6
Electives.....	6
	<hr/> 30

Senior Year

	Semester-hours
Library Science 133-34 (or, in 1931-32, Adult Education).....	6
Library Science 135.....	3
Library Science 136 or 138.....	3
Language or Literature (second group).....	6
Anthropology, Evolution, or Advanced Science.....	6
Electives.....	6
	<hr/> 30

CURRICULUM REQUIREMENTS

Seniors of high scholastic record, as well as college graduates satisfying the language and other curriculum requirements, may complete the course in one year and receive the degree of Bachelor of Arts in Library Science.

In the technical phase of Library Science, cataloguing and classification go together and precede all other courses, as they are involved in all other branches of library work.

In addition to the major in Library Science, it is recommended that students choose as electives courses in some one field of study which shall constitute a secondary major.

A reading knowledge of French and German is required. In very special cases, however, some other language may be substituted for either, but not for both.

When choice is indicated in the curriculum, the selection of a course depends on the student's previous course of study or his special preference. If a student presents satisfactory credit for a required course, an elective, subject to the approval of the Director, may be substituted.

PRACTICE AND EXPERIENCE

Equal time units in both practice and experience in the University Library go with the periods of classroom instruction and discussion and constitute integral parts of the course.

Students who have had adequate library experience will be released from this requirement. A limited number of students, who have the qualifications and personality necessary for that service, will gain their experience in the Public Library of the District of Columbia, and a few others in special libraries, both governmental and institutional.

The graduate courses will be conducted with the cooperation of the Committee on Library Training of the District of Columbia Library Association, in part at the Library of Congress under the immediate supervision of the Consultant in Bibliography and Research, in part at the Public Library under the supervision of the Librarian, and in part at several of the great special libraries in Washington under the direction of the Committee itself. Students will enjoy the advantage not only of becoming familiar with the administration and distinguishing characteristics of some of the most highly specialized libraries in America, but also of expert guidance and personal contact with outstanding men and women of the library profession.

HONORS

Two grades of General Honors are granted on graduation by vote of the Faculty: "with distinction" and "with high distinction."

"With distinction" may be granted to students with a scholarship index of 3.00 or higher.

"With high distinction" may be granted to students with a scholarship index of 3.50 or higher.

REGULATIONS

Students in the Division of Library Science are subject to the general University regulations as stated on pages 78-81.

AMOUNT OF WORK

The normal program of studies for full-time students is indicated under "Curriculum Leading to the Degree." Nine hours a week constitute a normal program of work for students with limited schedules.

GRADES

The following grades are given: *A*, excellent; *B*, good; *C*, average; *D*, passing; *E*, conditioned; *F*, failure; and *Inc.*, incomplete. A course that has been failed must be repeated in order to be credited. A condition may be removed within one year under conditions set by the instructor, but in this case no final grade above *D* is given.

Grades stand on the records as reported by the instructors. Except in the cases of courses reported *Incomplete* and of conditions, no grades can be changed.

SCHOLARSHIP

SUPERIOR SCHOLARSHIP

The names of students whose scholarship record as a whole is satisfactory and whose scholarship index is 3.00 or higher on a minimum of fifteen semester-hours of work preceding the close of any semester, are placed on an Honor Roll and published.

POOR SCHOLARSHIP

Probation. Students whose scholarship index falls below 2.00 are automatically placed on probation. Such students go off probation when their scholarship index reaches 2.00 or higher.

Dismissal. A student who receives a grade of *E* or *F* in two courses in two successive semesters will be dropped.

Students who fall under probation for the third semester, whether successive or after an interval, will be dropped.

Students dropped for poor scholarship may apply for readmission after an interval of a calendar year. A student applying for readmission under this rule must submit evidence to the Committee on Advanced Standing that during this absence from the University he has so conducted himself

as to indicate that he will profit by readmission. For the purpose of these rules the Summer Sessions will be considered a semester.

Students dropped twice for poor scholarship will not be readmitted.

STUDENTS WITH LIMITED SCHEDULES

In the case of students with limited schedules these rules will be applied when the student has undertaken fifteen semester-hours or multiples thereof, unless he receives a grade of *E* or *F* in two courses in two successive semesters.

COMPETITION AND ELIGIBILITY

Courses duly dropped or graded *Incomplete* and courses in Physical Education will not be considered in any way in computing standing or eligibility under the scholarship rules.

ELIGIBILITY FOR STUDENT ACTIVITIES

While on probation a student shall not represent the University on its athletic teams or in any other intercollegiate activities, nor shall he serve as an officer or member of a committee in any class or student organization.

SCHOLARSHIP REQUIREMENTS FOR GRADUATION

See "Requirements for the Degree," above.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

THE DIVISION OF FINE ARTS

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

Norris Ingersoll Crandall, M.Arch., *Director of the Division of Fine Arts.*

STAFF OF INSTRUCTION

Albert Burnley Bibb, *Professor of the History of Art and Architecture,*

Norris Ingersoll Crandall, M.Arch., *Professor of Architecture.*

Albert Lewis Harris, B.S. in Arch., *Professorial Lecturer in Architecture.*

Delos Hamilton Smith, M.S. in Arch., *Professorial Lecturer in Architecture.*

Samuel Burtis Baker, *Professorial Lecturer and Critic in Drawing and Painting.*

Eugen Weisz, *Professorial Lecturer and Critic in Graphic Art.*

Pasquale Mario Torraca, B.Arch., *Assistant Professor of Architecture.*

George Richard Roberts, A.M., LL.B., C.E., *Lecturer in Architecture.*

Ethel Bray, A.M., *Lecturer in Graphic Art.*

_____, *Lecturer in Building.*

Donald Chenoweth Kline, B.Arch., *Instructor in Architecture.*

Albert Nelson Davis, *Associate in Graphic Art.*

GENERAL STATEMENT

INTRODUCTORY

The purpose of the Department of Architecture is to give the student a knowledge of, and make him proficient in, the fundamental work involved in the design and construction of buildings. The creative work is most important for the professional architect, and to this end the training in expression and design in the graphic arts is especially stressed. The other work necessary for the complete academic preparation of the student to practice as a professional architect complements the creative work in the Architecture course. For those who find themselves more adapted to the actual construction or administration of buildings, courses in Business Administration and Surveying are substituted for the Architectural Design courses and Graphic Art work.

* Arranged, with the exception of the President and the Director, on the basis of seniority.

The purpose of the Department of Art is to give the student a knowledge and appreciation of the fine arts, and to enable him to acquire a proficiency in expression through the different mediums used in the graphic arts. For those who find themselves more interested in the history and criticism of art than in expression through the graphic arts, courses in Architecture, Anthropology, etc., are substituted for the Graphic Art work. For those who expect to major in Illustration, extended work in this field is offered.

LIBRARIES

The library contains about two thousand volumes, including most of the standard works on architecture, sculpture, and painting; the Russell Sturgis collection of 7,500 carefully selected photographs of architecture, sculpture, and painting; and the important architectural and art periodicals. Library rooms are adjacent to the drafting rooms.

The General Library is also available to the students of this Division.

Books may be borrowed from the Library of Congress for use in the library of the Division.

ART COLLECTIONS

The National Gallery of Art, housed in the National Museum, the Freer Gallery of Art, and the Corcoran Gallery of Art, as well as the extensive collection of prints in the Library of Congress, are all available to the student.

ADMISSION

FOR THE BACHELOR'S DEGREES

Admission to the Division of Fine Arts for undergraduate work is based on a Junior Certificate or on the evidence of the satisfactory completion of two years of college work. These requirements include certain specified courses which are indicated in the Junior College section of this catalogue.

Candidates for admission to the Division of Fine Arts are required to present a certificate stating that the work has been satisfactorily completed as follows:

1. Architecture Curriculum—certificate of Pre-architecture Curriculum or the equivalent.
2. Building Curriculum—certificate of Pre-architecture Curriculum or the equivalent.
3. Building Administration Curriculum—certificate of Pre-architecture Curriculum or the equivalent.
4. Illustration Curriculum—certificate of Pre-art Curriculum or the equivalent.
5. Art Curriculum—certificate of Pre-art Curriculum or the equivalent.

For the general regulations regarding admission and filing of credentials, see pages 57-60.

FOR THE MASTER'S DEGREES

To be admitted to candidacy for the Master of Arts degree, a student must usually present a Bachelor's degree from an accredited institution. To be admitted to candidacy for the Master of Fine Arts degree, a student must present either a Bachelor of Architecture degree or a Bachelor of Fine Arts degree from an accredited institution or its equivalent. Students from unaccredited institutions may be admitted, at the discretion of the Faculty, if recommended by the major department. Such students shall complete one semester's work in the Division of Fine Arts and receive the recommendation of the major department before registering for the degree.

Properly qualified students may be admitted as "students in attendance" without becoming candidates for degrees.

ADVANCED STANDING

Advanced credit from art and architecture schools which are not affiliated with an accredited college or University, may be established by registering in more advanced work of the same type for which credit is desired. If the work is satisfactory, the credit will be transferred from the institution at which previous training was received. Practical experience alone will not be accepted for advanced credit.

SPECIAL STUDENTS

Mature experience in Architecture or Art work will be required of students taking special work. The Director may accept as auditors some students of mature experience, who do not have the above requirements. No University credit will be given for any course taken at any time as an auditor. Special students and auditors are referred to the Division of University and Extension Students.

REGISTRATION

All schedules must be approved by the Director of the Division.

For information regarding registration, see pages 61-62.

Before registering, a candidate for the Master's degree must secure the written approval of his choice of subjects from his major department and from the Director of the Division of Fine Arts.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The following scholarships may be assigned to students in the Division of Fine Arts: Maria M. Carter Scholarship; Citizens' Military Training

Camps Scholarship; Isaac Davis Scholarship; David Spencer Scholarship; John Withington Scholarship.

For particulars regarding application for, and the award of, these scholarships, see pages 68-70.

For information regarding prizes, see pages 71-76.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77.

THE DEGREES

The Division of Fine Arts is composed of the Department of Architecture and the Department of Art.

The Department of Architecture offers curricula in which the student may earn a degree of (1) Bachelor of Arts with a major in one of the following—(a) Architecture, (b) Building, (c) Building Administration; or (2) Bachelor of Architecture.

The Department of Art offers curricula in which the student may earn a degree of (1) Bachelor of Arts with a major in one of the following—(a) Illustration, (b) Art; or (2) Bachelor of Fine Arts.

Graduate work is offered in both Departments leading to the degrees of Master of Arts and Master of Fine Arts.

THE DEGREES OF BACHELOR OF ARTS, ARCHITECTURE, AND FINE ARTS

REQUIREMENTS FOR THE DEGREES

To be recommended for a degree the candidate must have satisfied the admission, residence, and scholarship requirements and have completed the course of study prescribed.

For the degree of Bachelor of Arts, 124 semester-hours of credit are required. For the degrees of Bachelor of Architecture and Bachelor of Fine Arts, 154 semester-hours of credit are required.

RESIDENCE

Of the total number of semester-hours' work required for the degree of Bachelor of Arts, of Bachelor of Architecture, or of Bachelor of Fine Arts, at least thirty must be completed in the Division of Fine Arts.

SCHOLARSHIP

A C average in values is required for graduation.

APPLICATION FOR GRADUATION

Application for graduation should be filed at the time of registration for the first semester of the senior year.

CURRICULA LEADING TO THE BACHELOR OF ARTS DEGREES

ARCHITECTURE

Junior Year

	Semester- hours
Architecture 21-22.....	2
Architecture 23-24.....	2
Architecture 27-28.....	8
Architecture 111-12.....	4
Graphic Art 3-4.....	4
Graphic Art 7-8.....	4
Civil Engineering 43-44.....	6
	<hr/> 30

Senior Year

	Semester- hours
Architecture 125-26.....	12
Architecture 131-32.....	6
Architecture 133-34.....	4
Graphic Art 101-2.....	4
Graphic Art 103.....	2
Graphic Art 108.....	2
	<hr/> 30

BUILDING

Junior Year

	Semester- hours
Architecture 111-12.....	4
Architecture 131-32.....	6
Architecture 133-36.....	2
Civil Engineering 2.....	3
Civil Engineering 43-44.....	6
Civil Engineering 61.....	3
Economics 21-22.....	6
	<hr/> 30

Senior Year

	Semester- hours
Architecture 133-34.....	4
Architecture 141-42.....	8
Economics 119.....	3
Economics 124.....	3
Economics 131 and 132.....	6
Economics 159-60.....	6
	<hr/> 30

BUILDING ADMINISTRATION

Junior Year

	Semester- hours
Architecture 111-12.....	4
Architecture 123-24.....	6
Architecture 131-32.....	6
Architecture 135-36.....	2
Economics 21-22.....	6
Public Speaking 1 and 4.....	6
	<hr/> 30

Senior Year

	Semester- hours
Architecture 133-34.....	4
Architecture 141-42.....	8
Economics 119.....	3
Economics 124.....	3
Economics 155-56.....	6
Economics 159-60.....	6
	<hr/> 30

ILLUSTRATION

Junior Year

	Semester- hours
Graphic Art 3-4.....	4
Graphic Art 7-8.....	4
Graphic Art 27-28.....	12
Architecture 11-12.....	4
Architecture 21-22.....	2
Architecture 111-12.....	4
	<hr/> 30

Senior Year

	Semester- hours
Graphic Art 101-2.....	4
Graphic Art 103.....	2
Graphic Art 108.....	2
Graphic Art 125-26.....	12
Anthropology 121-22.....	4
Electives.....	6
	<hr/> 30

ART

Junior Year

	Semester-hours
Graphic Art 15-16.....	2
Graphic Art 105.....	2
Architecture 1.....	2
Architecture 11-12.....	4
Architecture 21-22.....	2
Architecture 111-12.....	4
Home Economics 72.....	3
Electives.....	11
	<hr/> 30

Senior Year

	Semester-hours
Architecture 123-24.....	6
Architecture 145-46.....	2
Anthropology 121-22.....	4
English 121 and 122.....	6
Electives.....	12
	<hr/> 30

CURRICULA LEADING TO THE PROFESSIONAL DEGREES

BACHELOR OF ARCHITECTURE

Professional Year

	Semester-hours
Architecture 127-28.....	12
Architecture 141-42.....	8
Architecture 143-44.....	2
Architecture 145-46.....	2
Electives.....	6
	<hr/> 30

BACHELOR OF FINE ARTS

Professional Year

	Semester-hours
Graphic Art 103-4.....	4
Graphic Art 127-28.....	12
Architecture 145-46.....	2
Electives.....	12
	<hr/> 30

HONORS

At the beginning of each semester a list will be posted of all students who have received an average of *B* in values or higher in all work taken in the semester immediately preceding. This will be called the Honor

Roll. In order to take more work than is prescribed in the regular curricula, the student's name must be on the Honor Roll of the preceding semester.

The name of any student who receives an average of *B* in values or higher in all work attempted by him in pursuance of the degree will be considered by the Faculty for graduation "with distinction."

THE DEGREES OF MASTER OF ARTS AND MASTER OF FINE ARTS

Graduate work in the Fine Arts is conducted under the direction of the Faculty of the Division of Fine Arts. The degrees conferred are Master of Arts (A.M.) and Master of Fine Arts (M.F.A.).

REQUIREMENTS FOR THE DEGREES

RESIDENCE

A candidate must pass in residence and study at this University at least two semesters, or one semester and one summer term of nine weeks, or three summer terms of nine weeks each, or four summer terms of six weeks each. No credit will be granted for work done in absentia, except for the thesis, which may be completed in absentia with the permission of the department concerned.

SCHOLARSHIP

Twelve semester-hours must be of at least *B* grade, and the remainder of at least *C* grade.

AMOUNT OF WORK

To receive either the degree of Master of Arts or Master of Fine Arts, the candidate must complete successfully twenty-four semester-hours of work in addition to the thesis, forming a consistent plan of study and subject to the following limitations:

(a) Courses may be elected from one, two, or three departments of the University.

(b) At least twelve semester-hours, plus the thesis, must be in the major subject.

(c) At least twelve semester-hours must be taken in this University.

(d) The minimum amount of work in any one subject (not course) is six hours.

(e) At least six semester-hours of third-group courses must be included in the course of study.

(f) The major chosen for the Master's degree must be in the same work as that of the Bachelor's degree.

THE THESIS

Each candidate for the degree of Master of Arts or Master of Fine Arts must present a thesis in his major subject and must register for it at the beginning of his final year. It will be equivalent to six semester-hours' credit. The choice of the thesis subject must be approved in writing by the professor in charge of the major and must be recorded in the offices of the Director of the Division and of the Registrar. If any portion of the thesis is presented in written form, it must conform to the following specifications: It must be typewritten or printed on official thesis paper and bound. The title-page must read as follows:

(title of thesis)
By (name of candidate)
(degrees held)

A thesis submitted to the Faculty of the Division of Fine Arts of The George Washington University in part satisfaction of the requirements for the degree of (name of degree).

(Date of Convocation at which the degree is conferred)

The completed thesis must be presented to the Director of the Division of Fine Arts on or before the dates announced in the University calendar. Accepted theses, with their accompanying drawings, are the property of the University.

ORAL EXAMINATION

At least three weeks before the Convocation at which the degree is expected, the candidate must pass an oral examination on his thesis and major field of work before a committee of at least five members appointed by the Director. The judgment of this committee must be written and signed by each member and transmitted to the Director at least two weeks before the stated Convocation.

REGULATIONS

Students in the Division of Fine Arts are subject to the general University regulations as stated on pages 78-81.

AMOUNT OF WORK

The normal program of studies for full-time students is indicated in the statement of curriculum requirements. Students with limited schedules will take a proportionately longer time to complete the curricula.

ATTENDANCE

Regular attendance is required in all classes and at all criticism periods. Irregular attendance may cause the work of any student to be rejected. All drawing room work must be done in the drawing rooms of the University.

GRADES

All drawing room courses (see courses listed under "Drawing Room Fee" under "Architecture" and "Graphic Art," pages 64 and 65) are given the following grades:

Except in Architecture 1, 3, 141, and 142, in which each problem and examination receive a stated number of points of credit, points for each credit-week are awarded at the end of each problem period as follows: *AA*, 10; *A*, 9; *B*, 8; *C*, 7; *D*, 6; *E*, 5; *F*, 4 or less.

Advancement is made when the student receives 100 points. Points have the following values: *A*, 4; *B*, 3; *C*, 2; *D*, 1; *E* and *F*, 0. The following University grades are given on values received: *D*, 100-149; *C*, 150-249; *B*, 250-349; *A*, 350-400.

The following grades are given in all other courses: *A*, 90-100; *B*, 80-89; *C*, 70-79; *D*, 60-69; *E*, conditioned; *F*, failed; *Inc.*, incomplete.

Incomplete is a temporary grade which may be removed by meeting the conditions set by the instructor when the grade is reported. An *E* may be changed to a *D* within one year by meeting the conditions set by the instructor. In order to obtain credit for a course in which the grade *F* is received, the course must be repeated.

SCHOLARSHIP

A student taking twelve semester-hours or more, whose scholarship is below a *D* average in values during any one semester, shall be subject to be dropped. A student taking less than twelve semester-hours, whose scholarship is below a *D* average in values during any two successive semesters, shall be subject to be dropped.

A student whose scholarship is below a *C* average in values shall be placed on probation. A student shall be taken off probation after he has attained a *C* average or higher in values. A student who has been on probation for two successive semesters shall be subject to be dropped.

After an interval of one semester a student who has been dropped may apply for readmission.

A student who has been dropped twice for poor scholarship will not be readmitted.

SCHOLARSHIP REQUIREMENTS FOR GRADUATION

See "Scholarship" under "The Degrees of Bachelor of Arts," above.

ELIGIBILITY FOR STUDENT ACTIVITIES

A student on probation shall not represent the University on its athletic teams or in any other student activity, nor shall he serve as a member of a committee or as an officer in any class or student organization.

A student may be declared ineligible to participate in any student activity by the Director.

CLASSIFICATION OF STUDENTS

Students are classified as follows: *juniors*, those who have earned sixty-four semester-hours of credit; *seniors*, those who have earned ninety-four semester-hours of credit; *professionals*, those who are registered for a professional degree; *graduates*, those who are registered for a graduate degree.

CONDUCT

Any student whose character or conduct is deemed harmful to the Division is subject to dismissal at any time from any course or from the University, whatever his scholarship record may be. Suspension for misconduct forfeits the right to compete for the school awards and the rebate of tuition paid for the current term.

LIBRARY BOOKS

Students are held responsible for any books removed from the Library and will be required to pay for loss, mutilation, or damage done.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

THE DIVISION OF UNIVERSITY AND EXTENSION STUDENTS

THE FACULTY

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

Elmer Louis Kayser, A.M., *Director of the Division of University and
Extension Students.*

GENERAL STATEMENT

INTRODUCTORY

The Division of University and Extension Students was organized in 1930 in order to make the work of the University in its several divisions more fully accessible to mature students and to provide for the offering of special courses to meet special demands as they may arise from time to time. Students registered in this Division are designated "university" and "extension" students, as distinguished from regularly matriculated undergraduate and graduate students.

ADMISSION

Men and women over twenty-one years of age may apply for admission as University and extension students, to pursue courses for which they have had adequate preparation. In each case the approval of the instructor concerned must be obtained. Applicants for admission must present a complete statement of the work previously pursued, on the regularly accepted form of the University. In any case where a student is found unable to pursue with advantage a course for which he is registered, such student may be dropped from the rolls of that course upon the recommendation of the instructor and with the approval of the Director.

In special instances, with the permission of the instructor, a person may be registered as an "auditor" in a class without being required to take active part in the exercises or to pass examinations, but no credit will be allowed for such attendance.

UNIVERSITY STUDENTS IN LAW

A limited number of persons who cannot qualify as candidates for a degree in law, but who are over twenty-five years of age and because of their maturity, educational training, and practical experience seem qualified to pursue the study of Law, may be admitted as University students. No University student in Law will be admitted who has not completed at least a four-year high-school course.

Candidates for admission as University students in Law must file written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Work done by such University students will not be counted toward a degree.

REGISTRATION

For information regarding registration, see pages 61-62.

FEES AND FINANCIAL REGULATIONS

For a statement of fees and financial regulations, see pages 63-67.

EXTENSION COURSES

Special courses may be offered at the University or away from the University whenever the demand exists and the University is able to furnish proper facilities for instruction. Such courses may be credit or non-credit courses, according to University regulations. If they are for credit, the work will be of the same character and standard as that offered by the University in its regular courses.

Extramural classes may be formed by local groups. Such groups may determine, upon consultation with the Director, the possibility of organizing the type of extramural work which they desire. Extramural courses generally will be arranged to meet in one period for one hour and forty minutes weekly, for fifteen weeks. This constitutes two class hours of fifty minutes each and, when credit is granted, will count for two semester-hours' credit. Such courses must be approved in advance by the department concerned. Tuition will be charged at the rate of \$8.00 a semester-hour, plus the University fee. Announcements of extension courses will be issued from time to time and may be obtained upon application at the Office of the Registrar.

REGULATIONS

In the Division of University and Extension Students, students are subject to the general University regulations as stated on pages 78-81.

TRANSFER TO REGULAR STATUS

University and extension students may be transferred, at their request, to other Divisions, Schools, and Colleges of the University only upon complying with the regulations of the specific Divisions, Schools, and Colleges as stated herein.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 239.

THE SUMMER SESSIONS

1931

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

Robert Whitney Bolwell, Ph.D., *Dean of the Summer Sessions.*

STAFF OF INSTRUCTION

William Allen Wilbur, A.M., Litt.D., LL.D., *Professor of English.*

Paul Bartsch, Ph.D., *Professor of Zoology.*

Edward Elliott Richardson, M.D., Ph.D., *Elton Professor of Mental and Moral Philosophy.*

Ray Smith Bassler, Ph.D., *Professor of Geology.*

DeWitt Clinton Croissant, Ph.D., *Professor of English.*

Charles Edward Hill, Ph.D., *Professor of Political Science.*

John Raymond Lapham, M.S., *Professor of Civil Engineering.*

Owen Bert French, C.E., *Professor of Civil Engineering.*

Henry Grattan Doyle, A.M., *Professor of Romance Languages.*

Robert Fiske Griggs, Ph.D., *Professor of Botany.*

John Donaldson, Ph.D., *Professor of Political Economy.*

Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law.*

George Morton Churchill, Ph.D., *Professor of History.*

Norris Ingersoll Crandall, M.Arch., *Professor of Architecture.*

Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law.*

† Alfred Francis William Schmidt, A.M., *Professor of Library Science.*

Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration.*

Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*

Walter Lynn Cheney, Ph.D., *Professor of Physics.*

William Cullen French, Ph.D., *Professor of Education.*

Arthur Frederick Johnson, M.E., *Professor of Mechanical Engineering.*

James Henry Taylor, Ph.D., *Professor of Mathematics.*

Willard Hayes Yeager, A.M., *Depew Professor of Public Speaking.*

Dudley Wilson Willard, Ph.D., *Professor of Sociology.*

* Arranged, with the exception of the President and the Dean, on the basis of seniority.

† On sabbatical leave 1931-32.

- Herschel Whitfield Arant, A.M., LL.B., LL.D., Ohio State University, *Visiting Professor of Law.*
- Frederic Austin Ogg, Ph.D., University of Wisconsin, *Visiting Professor of Political Science.*
- Stephen Panaretoff, A.M., *Professorial Lecturer in Political Science.*
- Roy Oren Billet, Ph.D., United States Office of Education, *Professorial Lecturer in Education.*
- Anna Dorothea Halberg, A.M., Wilson Teachers' College, *Professorial Lecturer in Education.*
- Charles Oscar Hardy, Ph.D., The Brookings Institution, *Professorial Lecturer in Economics.*
- Albert Bushnell Hart, Ph.D., LL.D., Litt.D., Harvard University; Historian, Washington Bicentennial Commission; *Professorial Lecturer in History.*
- Stanley Kuhl Hornbeck, Ph.D., United States Department of State; *Professorial Lecturer in Political Science.*
- William Frederick Notz, Ph.D., Georgetown University, *Professorial Lecturer in Economics.*
- Leo Stanton Rowe, Ph.D., LL.D., the Pan American Union, *Professorial Lecturer in Political Science.*
- Elmer Louis Kayser, A.M., *Associate Professor of History.*
- Harold Griffith Sutton, M.S., *Associate Professor of Finance.*
- J. Orin Powers, Ph.D., *Associate Professor of Education.*
- William Armstrong Hunter, A.B., LL.M., *Associate Professor of Law.*
- William Thomas Fryer, A.B., LL.B., J.D., *Associate Professor of Law.*
- Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Associate Professor of Law.*
- Merle Irving Protzman, A.M., *Associate Professor of Romance Languages.*
- Warren Reed West, Ph.D., *Associate Professor of Political Science.*
- Edgar Augustus Jerome Johnson, Ph.D., *Associate Professor of Economics.*
- Alva Curtis Wilgus, Ph.D., *Associate Professor of History.*
- Carlton Coke Rister, Ph.D., University of Oklahoma, *Visiting Associate Professor of History.*
- Audley Lawrence Smith, A.M., *Assistant Professor of English.*
- Francis Edgar Johnston, Ph.D., *Assistant Professor of Mathematics.*
- James Christopher Corliss, A.M., *Assistant Professor of Romance Languages.*
- Carville Dickinson Benson, jr., A.B., LL.B., S.J.D., *Assistant Professor of Law.*

- Douglas Bement, A.M., LL.B., *Assistant Professor of English.*
Elizabeth Adams Lathrop, A.B., *Assistant Professor of Library Science.*
Florence Marie Mears, Ph.D., *Assistant Professor of Mathematics.*
Paul William Bowman, Ph.D., *Assistant Professor of Botany.*
James Forrester Davison, A.B., LL.M., S.J.D., *Assistant Professor of Law.*
William Crane Johnston, jr., Ph.D., *Assistant Professor of Political Science.*
Benjamin Douglass Van Evera, M.S., *Assistant Professor of Chemistry.*
Raymond John Seeger, Ph.D., *Assistant Professor of Physics.*
Arthur Howard Hughes, Ph.D., *Assistant Professor of German.*
Thelma Hunt, Ph.D., *Assistant Professor of Psychology.*
Mybert Eustace Broom, A.M., California State Teachers' College, *Visiting Assistant Professor of Education.*
William Middleton, A.M., *Lecturer in Psychology.*
Eugen Weisz, *Lecturer and Critic in Graphic Art.*
Katharine Tait Omwake, Ph.D., *Visiting Lecturer in Psychology.*
Victor Herbert Noll, Ph.D., United States Office of Education, *Lecturer in Education.*
DeWitt Clinton Knowles, M.S., *Instructor in Chemistry.*
Charles Frederick Kramer, jr., A.M., *Associate in French.*
André-Marie-Georges Benéteau, A.M., *Associate in French.*
Alden Hayes Emery, A.M., *Associate in Geology.*
Katherine Elizabeth Parker, A.M., *Associate in Zoology.*
Harriet Ellen Bundick, A.B., *Associate in Zoology.*
Hector Lazo, A.B., *Associate in Spanish.*

GENERAL STATEMENT

INTRODUCTORY

As an introduction to its participation in the celebration of the bicentennial of George Washington, the University offers in its Summer Sessions for 1931 an expanded program to those who come to the Capital of the Nation for university study. The regular academic and professional courses have been considerably amplified, and in addition special courses for teachers of the social sciences and for students of government have been made available. Distinguished scholars from other universities, specialists of the United States Government, and experts in diplomacy and economics from other institutions of Washington have been added to the regular University Faculty to provide an unusual curriculum.

The Summer Sessions offer an opportunity to continue university work during the summer period. The educational value of a term of study in Washington is of great importance; it forms a background for both intelligent and appreciative citizenship. History, political science, economics, literature, and current events are all vivified by a first-hand knowledge of our national institutions. The schedule of classes will give the student ample time to visit the great libraries and laboratories of the Capital and to observe the Departments and Bureaus of the Government in operation. The many educational and scientific organizations with central offices and exhibits situated in Washington are accessible to students whose special interests draw on such resources. Excursions are arranged to the many places of beauty and historic association in nearby Virginia and Maryland.

The Summer Sessions are an integral part of the University, and all courses given are similar to the corresponding courses offered in the other terms. Academic credit for courses satisfactorily completed may be applied towards the appropriate degrees in the various Colleges, Schools, and Divisions of the University. The complete educational equipment and facilities of the University are available to students of the Summer Sessions, including libraries, laboratories, field equipment, etc. All departments of the University are open to men and women.

Provision is made for the social and recreational side of student life during the Summer Sessions. The University's athletic facilities and equipment are available to all students. The numerous parks and golf courses of Washington, the riding trails, water sports on the Potomac and at nearby beaches, all offer a wide choice of outdoor recreation. The University reception and dance is an annual event, and special summer editions of the student newspaper are issued. The University fee entitles all students in attendance to medical advice and treatment from the office of the University Physician. A series of University lectures upon themes of contemporary interest by men distinguished in various phases of our modern life will be given during the Sessions.

For the benefit of out-of-town students, summer privileges (subject to certain limitations) have been granted by the Washington branch of the American Association of University Women and by the University Club of Washington. Under this arrangement many students may enjoy the use of these club houses and contact with the membership by applying to the Director of the Summer Sessions.

REGULATIONS

The rules and regulations of the University apply to all departments of the Summer Sessions. The announcements of the separate Colleges, Schools, and Divisions should be consulted for information regarding admission, advanced standing, fees, etc.

AMOUNT OF WORK

No student may take more than three courses aggregating nine semester-hours of credit. No employed student may take more than two courses aggregating six semester-hours of credit.

Students registered only during the six weeks' term may take not more than three courses aggregating six semester-hours of credit. Part-time students in the six weeks' term may take not more than two courses aggregating four semester-hours of credit.

Students in the Law School may take not more than four semester-hours in each summer term.

COURSES OF INSTRUCTION

The courses of instruction offered in the Summer Sessions are included in the alphabetical list of courses beginning on page 239 and also in the Summer Sessions Bulletin.

COURSES OF INSTRUCTION

COURSES OF INSTRUCTION

The University reserves the right to withdraw any course announced.

NUMBERING

Courses in all departments of instruction except Medicine are numbered as follows: first-semester courses are given odd numbers, as 1, 3, 5, etc.; second-semester courses are given even numbers, as 2, 4, 6, etc. Variations from this rule are stated in the descriptions of the courses. Where the number of a summer course differs in the Summer Sessions Bulletin from the number of the same course in this schedule, the Summer Sessions number is here indicated with the prefix S.

In the Law and Medical Departments first-year courses are numbered 101 to 150; second-year courses, 151 to 200; third-year courses, 201 to 250; and fourth-year courses, 251 to 300. In all other departments of instruction the following grouping is used:

First-group courses, numbered 1 to 100, are planned for lower-division students.

Second-group courses, numbered 101 to 200, are planned for upper-division students. They may be credited toward higher degrees only when registration for graduate credit has been approved at the beginning of the course by the Dean responsible for the graduate work and by the officer of instruction and when the completion of additional work has been certified to by the officer of instruction.

Third-group courses, numbered above 200, are planned for graduate students. They are open to seniors only with the approval of the officer of instruction.

CREDIT

The number of semester-hours of credit given is indicated in parentheses following the name of the course. A year course giving three hours of credit each semester is marked (3-3), and a semester course giving three hours of credit is marked (3). In the medical courses the first number in parentheses indicates the total number of hours in the course, and the second number, the total number of lecture and quizz hours.

A semester-hour of credit consists of the completion of one hour of class work a week for one semester.

A dagger (†) preceding the number of a year course indicates that the course may not be entered in the second semester and that credit will not be given until the work of both semesters has been completed.

ANATOMY

George Bain Jenkins, M.D., *Professor of Anatomy, Executive Officer.*
William Binford King, A.M., M.D., *Associate Professor of Anatomy.*
Othmar Charles Solnitzky, Ph.D., M.D., *Associate Professor of Anatomy.*
Myron C. Waddell, M.S., *Instructor in Anatomy.*

Minimum requirements for the degree: 860 hours

- 111-12-13 *Gross Anatomy* (480-60) Jenkins, King, Waddell
This course consists of instruction in Osteology, followed by the careful dissection and study of the entire body, and supplemented by the use of models and prepared specimens. Fifteen hours a week in the first, second, and third trimesters of the first year.
- 121-22-23 *Histology and Embryology* (288-60) Jenkins, Solnitzky, King, Waddell
The work includes the histogenesis and microscopic structure of the tissues and organs of the human body. Special emphasis is laid on the relation of structure to function. Nine hours a week in the first and second trimesters of the first year. The work in Embryology embraces a study of normal development. Stained sections, prepared embryos, and models are used. Nine hours a week in the third trimester of the first year.
- 161 *Neuro-anatomy* (72-12) Jenkins, Solnitzky
A laboratory course on the gross and microscopic study of the human central nervous system. Six hours a week in the first trimester of the second year.
- 172 *Applied Anatomy* (20-20) Jenkins, King
In this course the important facts of regional and topographical Anatomy are given in their application to the practice of medicine and surgery. Two hours a week in the second trimester of the second year.

ANTHROPOLOGY

Truman Michelson, Ph.D., *Professor of Ethnology, Executive Officer.*

Caroline Benedict Carroll, A.B., *Lecturer on Archeology.*

Minimum requirements for the major: Anthropology 101-2, 121-22, 231-32; Sociology 27-28; Botany 107-8. With the permission of the Executive Officer certain courses in Geology, History, Psychology, and Zoology may be substituted in part for the above.

SECOND GROUP

101-2 *Archeology* (3-3)

Carroll

A general course in Archeology; both the Old and the New World will be considered. Material fee, \$3.00 a semester. Monday, Wednesday, and Friday, 4.10 p.m.

†121-22 *Ethnology* (2-2)

Michelson

A course embracing man's place in nature; ancient man; the elements of physical anthropology; classification of living races; sociology, religious ideas, ethical ideas, and languages of primitive peoples. Material fee, \$3.00 a semester. Tuesday and Thursday, 5.10 p.m.

THIRD GROUP

†231-32 *Advanced Ethnology* (3-3)

Michelson

Prerequisite: Anthropology 121-22. Material fee, \$6.00 a semester. Monday, Wednesday, and Friday, 5.10 p.m.

†251-52 *Seminar in Ethnology* (3-3)

Michelson

Prerequisite: Anthropology 231-32. Hours to be arranged.

ARCHITECTURE

Albert Burnley Bibb, *Professor of the History of Art and Architecture.*

Norris Ingersoll Crandall, M.Arch., *Professor of Architecture, Executive Officer.*

Albert Lewis Harris, B.S. in Arch., *Professorial Lecturer in Architecture.*

Delos Hamilton Smith, M.S. in Arch., *Professorial Lecturer in Architecture.*

Pasquale Mario Torraca, B.Arch., *Assistant Professor of Architecture.*

George Richard Roberts, A.M., LL.B., C.E., *Lecturer in Architecture.*

Donald Chenoweth Kline, B.Arch., *Instructor in Architecture.*

During the academic year 1931-32 special lectures will be given by the following persons: James Spear Taylor, A.B., Francis P. Sullivan, A.B., Louis Justement, B.S., and Edwin H. Rosengarten.

Minimum requirements for the degree: see pages 223-25.

FIRST GROUP

- 1 *Architectural Drawing* (2) Kline
Freehand lettering, stone jointing, mechanical perspective, and nomenclature. Drawing room fee, \$3.00. Section A, Monday and Friday, 1.10 to 4.00 p.m. Section B, Monday and Friday, 7.30 to 10.30 p.m. Summer Sessions 1931 (2): daily except Saturday, 5.10 to 7.40 p.m. (listed as Architecture S9).
- 3 *Shades and Shadows* (2) Kline
Methods of casting the conventional shades and shadows used in architectural design. Prerequisite: Mechanical Engineering 4. Drawing room fee, \$3.00. Section A, Monday and Wednesday, 9.10 a.m. to 12.00. Section B, Tuesday and Thursday, 7.30 to 10.30 p.m. Summer Sessions 1931 (2): daily except Saturday, 5.10 to 7.40 p.m. (listed as Architecture S10).
- 4 *Architectural Rendering* (2) Kline
Technique and composition. Drawing room fee, \$3.00. Section A, Monday and Wednesday, 9.10 a.m. to 12.00. Section B, Tuesday and Thursday, 7.30 to 10.30 p.m.
- 11-12 *History of Architecture* (2-2) Bibb
The architecture of ancient Egypt, Greece, Rome, and the medieval period. Tuesday and Thursday, 5.10 p.m.

13-14 *Historic Ornament* (1-1) Bibb
Periods and styles of ancient, medieval, oriental, Renaissance, and modern ornament. Monday, 5.10 p.m.

†21-22 *Principles of Composition* (1-1) Crandall
Elements of pictorial composition. Wednesday, 5.10 p.m.

†23-24 *Principles of Planning* (1-1) Crandall
Plan composition for architectural design. This course must be taken either subsequently to, or concurrently with, Architecture 21-22. Friday, 5.10 p.m.

25-26 *Design I* (3-3) Torraca
Classical orders and their application to simple architectural problems of from three to six weeks' duration. This course must be taken either subsequently to, or concurrently with, Architecture 3. Drawing room fee, \$3.00 a semester. Section A, Monday and Wednesday, 1.10 to 4.00 p.m., and Friday, 9.10 a.m. to 12.00. Section B, Monday, Wednesday, and Friday, 7.30 to 10.30 p.m. Summer Sessions 1931 (2): Architecture 25 or 26, daily except Saturday, 5.10 to 7.40 p.m. (listed as Architecture S20).

27-28 *Design II* (4-4) The Staff
Beaux Arts Institute of Design class B problems of from three to six weeks' duration. Nine-hour sketch problems. Prerequisite: Architecture 26. Drawing room fee, \$6.00 a semester; Beaux Arts fee, \$15.00 a year. Section A, Monday, Tuesday, Thursday, and Friday, 9.10 a.m. to 12.00. Section B, Monday, Tuesday, Wednesday, and Saturday, 7.30 to 10.30 p.m. Summer Sessions 1931 (2): Architecture 27 or 28, daily except Saturday, 5.10 to 7.40 p.m. (listed as Architecture S20).

SECOND GROUP

111-12 *History of Architecture* (2-2) Bibb
The architecture of the Renaissance in its relation to ancient and modern architecture. Prerequisite: Architecture 12. Tuesday and Thursday, 6.10 p.m.

123-24 *Domestic Buildings* (3-3) Torraca
Planning, decoration, and mechanical equipment. Prerequisite: Architecture 1. Drawing room fee, \$3.00 a semester. Section A, Monday, Wednesday, and Friday, 1.10 to 4.00 p.m. Section B, Monday, Wednesday, and Friday, 7.30 to 10.30 p.m.

125-26 *Design III* (6-6)

The Staff

Beaux Arts Institute of Design class A and B problems of from three to six weeks' duration. Nine-hour sketch problems. Prerequisite: Architecture 28. Drawing room fee, \$6.00 a semester; Beaux Arts fee, \$15.00 a year. Section A, daily, 9.10 a.m. to 12.00. Section B, Architecture 125 or 126, Monday, Thursday, and Friday, 7.30 to 10.30 p.m. Summer Sessions 1931 (2): Architecture 125 or 126, daily except Saturday, 5.10 to 7.40 p.m. (listed as Architecture S20). Students with limited schedules may take Architecture 125 and 126 for two semesters each.

127-28 *Design IV* (6-6)

The Staff

Beaux Arts Institute of Design class A problems of from two to six weeks' duration. Nine-hour sketch problems. Prerequisite: Architecture 126. Drawing room fee, \$6.00 a semester; Beaux Arts fee, \$15.00 a year. Section A, daily, 9.10 a.m. to 12.00. Section B, Architecture 127 or 128, Tuesday, Thursday, and Friday, 7.30 to 10.30 p.m. Summer Sessions 1931 (2): Architecture 127 or 128, daily except Saturday, 5.10 to 7.40 p.m. (listed as Architecture S20). Students with limited schedules may take Architecture 127 and 128 for two semesters each.

†131-32 *Architectural Construction* (3-3)

Roberts

Materials, processes, systems, and practices of the building trades. Structural details, specifications, contracts, and supervision. Building and zoning regulations. Prerequisite: junior standing. Monday, Wednesday, and Friday, 5.10 p.m.

†133-34 *Mechanical Equipment* (2-2)

Roberts

Water supply, sewage disposal, plumbing, heating, ventilating, electrical installation, elevators, and refrigeration. Prerequisite: junior standing. Tuesday and Thursday, 5.10 p.m.

135-36 *Building* (1-1)

Methods of estimating costs from working drawings, and the organization of labor for, and the financing of, construction work. Mortgages, leases, appraisals, speculative building, subdivisions, and the selling, management, and repair of buildings. (Not given 1931-32.)

141-42 *Office Practice* (4-4)

Torraca

Working drawings, details, and specifications. Prerequisite: Architecture 132. Drawing room fee, \$3.00 a semester. Section A, Monday, Wednesday, Thursday, and Friday, 1.10

to 4.00 p.m. Section B, Architecture 141 or 142, Monday and Wednesday, 7.30 to 10.30 p.m. Summer Sessions 1931 (2): Architecture 141 or 142, daily except Saturday, 5.10 to 7.40 p.m. (listed as Architecture S140).

†143-44 *Professional Relations* (1-1) Smith
The ethics of the profession of Architecture. Relations of the architect to the owner and contractor. Contracts and legal documents. Preliminary estimates for buildings, and the legal responsibility of the architect for estimates. Land values and their relation to the cost of proposed building. Promotion and investment, operation and revenue. Prerequisite: senior standing. Tuesday, 5.10 p.m.

145-46 *Architectural Humanities* (1-1) Crandall
Articles in current periodicals and special subjects. Prerequisite: senior standing. Monday, 5.10 p.m.

THIRD GROUP

211-12 *Seminar in History of Architecture* (2-2) Bibb
Hours to be arranged.

231-32 *Advanced Construction* (2-2) Torraca
Hours to be arranged.

251-52 *Seminar in Design* The Staff
Credits and hours to be arranged.

BACTERIOLOGY AND PATHOLOGY

Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology and Pathology, Executive Officer.*

Earl Baldwin McKinley, A.B., M.D., *Professor of Bacteriology.*

Karl H. Langenstrass, M.D., *Professorial Lecturer on Neuro-pathology.*

George Joseph Brilmyer, M.S., M.D., *Associate Professor of Pathology.*

Clift Palsgrove Berger, A.M., *Associate Professor of Bacteriology.*

Roger Morrison Choisser, B.S., M.D., *Associate Professor of Bacteriology and Pathology.*

Leon Stuart Gordon, A.M., M.D., *Assistant Professor of Pathology.*

William Franklin Sheridan, A.B., *Instructor in Pathology.*

Charles Rosenberg, M.S., *Instructor in Bacteriology.*

William Francis Simpson, B.S., *Instructor in Bacteriology.*

Minimum requirements for the degree: 701 hours

221 *Bacteriology* (144-32) Hunter, Choisser, Gordon, Berger, Rosenberg, Simpson

Lectures and quizzes in the field of Bacteriology and Immunology and their application to human medicine and welfare. The laboratory work covers the preparation of all the standard culture media, the general principles of sterilization, and bacteriologic technic from the study of about a dozen typical, widely different, non-pathogenic organisms. The students prepare, as far as practicable, such special media as are needed for this work. Twelve hours a week in the first trimester of the second year.

224-25 *Pathology* (392-136) Hunter, Choisser, Langenstrass, Gordon, Brilmyer, Sheridan

General Pathology, covering inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., followed by special pathology of the organs and of the specific diseases. The laboratory work consists primarily of the histologic study of diseased tissues and neoplasms. Twelve hours a week in the second and nineteen hours a week in the third trimester of the second year. Autopsies for second-, third-, and fourth-year students are held at the University and affiliated hospitals.

234-35 *Preventive Medicine and Hygiene* (63-12) Choisser, Berger

This course consists of lectures, recitations, laboratory work, sanitary excursions, and sanitary surveys. Three hours a week in the second and third trimesters of the second year.

251-52 *Clinical Microscopy and Parasitology* (72-24)

Hunter, Choisser, Brilmyer, Berger

In this course the student is trained in the counting of the red and white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial and other parasites, in the estimation of blood-coagulation time, etc., in the microscopic study of the sediments of normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of those animal parasites which are of interest from a medical standpoint, beginning with the protozoa and passing through the helminths and arthropods, in the microscopic examination of sputum, spinal fluids, pleural exudates, etc. Three hours a week for twenty-four weeks in the first and second trimesters of the third year.

261-62 *Clinical Pathological Conferences* (30-0)

Medical Staff, Hunter, Choisser, Gordon

Clinical records are presented by the student assigned to the case in the wards. Autopsy and clinical findings are compared, and the specimens are demonstrated and examined by all present. One hour a week throughout the fourth year.

277-78 *Seminar*

McKinley

Hours and credits to be arranged.

BIOCHEMISTRY

Joseph Hiram Roe, Ph.D., *Professor of Biochemistry, Executive Officer.*

Oliver John Irish, M.S., *Associate Professor of Biochemistry.*

Harold Albert Craft, M.S., *Assistant Professor of Biochemistry.*

Minimum requirements for the degree: 239 hours

101-2 *Biochemistry* (176-80)

Roe, Irish, Craft

A series of lectures and recitations, supplemented by laboratory work, upon such subjects as hydrogen-ion concentration, indicators, methods of quantitative analysis, dialysis, osmosis, colloids, enzymes, radio-activity, and the structure of the atom, is given for about six weeks. The remainder of the course is devoted to physiological chemistry, which includes a study of the chemical structure and reactions of carbohydrates, fats, and proteins; the composition of the tissues of the body, and of milk, urine, and the secretions; the digestion and absorption of foods; metabolism; the basic principles of nutrition. Eight hours a week in the first and second trimesters of the first year.

152-53 *Clinical Chemistry* (63-21)

Roe, Irish, Craft

A lecture and laboratory course covering the biochemical methods of analysis used as aids in the diagnosis of disease. This consists of the usual qualitative and quantitative methods of analysis of urine, blood, gastric juice, and feces; the kidney and liver function tests; and the interpretation of laboratory findings with respect to diseased conditions. Three hours a week in the second and third trimesters of the second year.

297-98 *Research*

Roe

Hours, fees, and credits to be arranged.

BOTANY

Robert Fiske Griggs, Ph.D., *Professor of Botany, Executive Officer.*

Albert Spear Hitchcock, Sc.D., *Professorial Lecturer in Botany.*

Neil Everett Stevens, Ph.D., *Professorial Lecturer in Botany.*

Paul William Bowman, Ph.D., *Assistant Professor of Botany.*

Lawson Edwin Yocum, Ph.D., *Assistant Professor of Botany.*

*William Webster Diehl, M.S., *Lecturer on Mycology.*

*James Everard Benedict, jr., B.F., *Lecturer on Bryology.*

Minimum requirements for the major: twenty-four semester-hours in Botany, with collaterals to be determined. A Biological Science major may be arranged by the Executive Officers of Botany and Zoology for those desiring a combined major.

FIRST GROUP

†1-2 *General Botany* (3-3)

The Staff

Plants, their mode of life and their bearing on human affairs. A study of the structure and functions of the flowering plant as a working mechanism, followed by a rapid survey of the principal groups of plants, with practice in determining the common native flowers. Material fee, \$4.50 a semester. Section A, Monday and Wednesday, 9.10 a.m. Section B, Monday and Wednesday, 11.10 a.m. Section C, Monday and Wednesday, 1.10 p.m. Section D, Monday and Wednesday, 2.10 p.m. Section E, Monday and Wednesday, 6.10 p.m. Section F, Tuesday and Thursday, 9.10 a.m. Section G, Tuesday and Thursday, 11.10 a.m. Section H, Tuesday and Thursday, 5.10 p.m. Laboratory—sections A, B, C, D, F, and G will take laboratory work in one of the following periods: Tuesday, Wednesday, Thursday, Friday, 1.10 to 3.00 p.m.; Wednesday and Friday, 10.10 a.m. to 12.00. Section E will take laboratory work Friday, 6.30 to 8.30 p.m.; section H, Thursday, 6.30 to 8.30 p.m. Summer Sessions 1931 (3-3): daily except Saturday. Lecture-laboratory—6.10 to 9.00 p.m.

* On leave 1931-32.

† When registering for Botany 1, each student should see the representative of the Department and sign up for a laboratory section. This is necessary in order to be assured of a place, as space and equipment limit the sections to forty each.

5-6 *Plant Study* (6)

Griggs

An out-of-doors course in the plants, higher and lower, growing around Washington. Summer Sessions 1931: daily except Saturday, 1.10 to 4.00 p.m.

17-18 *Field Botany* (2-2)

Bowman

A study of plants in the field, accompanied by practice in their collection, identification, and preservation. This course, together with Botany 5-6, will enable a student to become acquainted with the local plants in all stages of their development. Field trip—Saturday afternoon. Laboratory—Monday, 4.10 to 6.00 p.m.

SECOND GROUP

†107-8 *Evolution* (3-3)

Griggs

Evolution, genetics, eugenics, and other fundamental problems of biology. Prerequisite: one year of college work in Botany, Ethnology, Geology, or Zoology. Monday, Wednesday, and Friday, 5.10 p.m.

115-16 *Cytology* (3-3)

Bowman

Instruction and practice in the preparation and study of cytological material. Prerequisite: a satisfactory course in General Botany or Zoology. Material fee, \$9.00 a semester. Lecture—Thursday, 5.10 p.m. Laboratory—Tuesday and Thursday; hours to be arranged.

121-22 *Monocots* (3-3)

Griggs

Survey of selected groups of monocots to give the student an understanding of the evolution of the group, of the philosophical aspects of taxonomy, and practice in identification. Alternating with Botany 123-24. Prerequisite: Botany 1-2. Lecture—Wednesday, 6.10 p.m. Laboratory—Monday, Wednesday, and Friday; hours to be arranged.

123-24 *Dicots* (3-3)

Griggs

Survey of selected groups of dicots to give the student an understanding of the evolution of the group, of the philosophical aspects of taxonomy, and practice in identification. Alternating with Botany 121-22. Prerequisite: Botany 1-2. Lecture—Wednesday, 6.10 p.m. Laboratory—Monday, Wednesday, and Friday; hours to be arranged. (Not given 1931-32.)

135-36 *Plant Physiology* (3-3)

Yocum

A course dealing with the fundamental processes of plants. Water requirements, principles of absorption, protoplasmic

membranes, permeability, osmotic phenomena, mineral nutrients, transpiration, synthesis of food, metabolism, translocation of food materials, and growth and movements of plants, are briefly considered. Prerequisite: Botany 1-2. Desirable antecedents: Physics 3-4, 7-8, or 9-10, and Chemistry 1-2, 3-4, or 5-6. Lecture—Wednesday, 5.10 p.m. Laboratory—Monday and Wednesday; hours to be arranged.

137-38 *Minor Problems (3-3)*

The Staff

Competent students may take up special problems. Hours to be arranged.

158 *Mosses (2)*

Benedict

Advanced field course. Together with Botany 167-68, given in alternate years. Prerequisite: Botany 18 or the equivalent. Field trip—Saturday afternoon. Laboratory—Monday, 3.10 to 5.00 p.m. (Not given 1931-32.)

167-68 *Fungi (3-3)*

Diehl

Study of selected types, together with practice in the preparation and identification of specimens to give familiarity with morphology and classification. Prerequisite: Botany 1-2. Monday, Wednesday, and Friday, 5.10 to 7.00 p.m.

THIRD GROUP

201-2 *Seminar (2-2)*

Griggs, Bowman, Yocum

Survey of the advances in the field of Botany. Open to advanced students and should be taken by those working on special problems (Botany 137-38 or 211-12). Tuesday, 6.10 p.m.

203-4 *Seminar (2-2)*

Stevens

The history of Botany. Thursday, 8.00 p.m.

211-12 *Research*

The Staff

Credits and hours to be arranged. Summer Sessions 1931: Botany 211; credits and hours to be arranged.

CHEMISTRY

Hiram Colver McNeil, Ph.D., *Professor of Chemistry.*
 Colin Mackenzie Mackall, Ph.D., *Professor of Chemistry.*
 Joseph Hiram Roe, Ph.D., *Professor of Biochemistry.*
 Benjamin Douglass Van Evera, M.S., *Assistant Professor of Chemistry,*
Executive Officer.
 Joseph Alfred Ambler, Ph.D., *Lecturer in Chemistry.*
 Ralph Edward Gibson, Ph.D., *Lecturer in Chemistry.*
 Raleigh Gilchrist, Ph.D., *Lecturer in Chemistry.*
 Paul Hugh Emmett, Ph.D., *Lecturer in Chemistry.*
 DeWitt Clinton Knowles, M.S., *Instructor in Chemistry.*
 John Walter Brandt, B.S., *Instructor in Chemistry.*
 Herman Henry Kaveler, Ph.D., *Instructor in Chemistry.*
 Helen Marie Dyer, A.M., *Associate in Chemistry.*

Minimum requirements for the major: Chemistry 3-4 or 5-6; 21-22; 41-42; 121-22; 191; and 192. Mathematics 19-20 and Physics 11, 12, 13, and 14 as collaterals. Candidates for the Bachelor of Science degree in Chemistry will include Chemistry 111-12. A Physical Science major may be arranged by the Executive Officers of Chemistry and Physics for those desiring a combined major. The German language is recommended for all the majors.*

FIRST GROUP

- †3-4 *General Chemistry (5-5)* McNeil, Knowles, and Assistants.
 General Chemistry and the elements of qualitative analysis. Material fee, \$9.00 a semester; breakage deposit, \$15.00. Lectures—section A, Monday, Wednesday, and Friday, 10.10 a.m.; section B, Monday, Wednesday, and Friday, 5.10 p.m. Laboratory—section M, Monday and Wednesday, 1.10 to 4.00 p.m.; section N, Tuesday and Thursday, 1.10 to 4.00 p.m.; section O, Monday and Wednesday, 6.30 to 9.20 p.m.; section P, Tuesday and Thursday, 6.30 to 9.20 p.m.
- †5-6 *General Chemistry (4-4)* McNeil, Knowles, and Assistants.
 General Chemistry and the elements of qualitative analysis. Prerequisite: high-school Chemistry. Material fee, \$9.00 a

* Before completing registration, students must consult the representative of the Department and secure a card assigning them to laboratory sections.

semester; breakage deposit, \$15.00. Lectures—section A, Tuesday and Thursday, 11.10 a.m.; section B, Tuesday and Thursday, 5.10 p.m. Laboratory—section M, Monday and Wednesday, 1.10 to 4.00 p.m.; section N, Tuesday and Thursday, 1.10 to 4.00 p.m.; section O, Monday and Wednesday, 6.30 to 9.20 p.m.; section P, Tuesday and Thursday, 6.30 to 9.20 p.m. Summer Sessions 1931 (4-4): lectures—daily except Saturday, 8.40 to 9.45 a.m.; laboratory—daily except Saturday, 9.55 a.m. to 1.30 p.m.

†21-22 *Qualitative Inorganic Analysis* (4-4) Van Evera and Assistants
Prerequisite: Chemistry 4 or 6. Material fee, \$9.00 a semester; breakage deposit, \$20.00. Lectures—section A, Monday and Wednesday, 11.10 a.m.; section B, Monday and Wednesday, 5.10 p.m. Laboratory—section M, Monday and Wednesday, 1.10 to 4.00 p.m.; section N, Tuesday and Thursday, 1.10 to 4.00 p.m.; section O, Monday and Wednesday, 6.30 to 9.20 p.m.; section P, Tuesday and Thursday, 6.30 to 9.20 p.m.

23 *Qualitative Inorganic Analysis* (4) Van Evera and Assistants
Prerequisite: Chemistry 12 (Catalogue 1930-31). Material fee, \$12.00; breakage deposit, \$20.00. Lecture—section A, Tuesday, 11.10 a.m.; section B, Tuesday, 5.10 p.m. Laboratory—section M, Monday, Wednesday, and Friday, 1.10 to 4.00 p.m.; section N, Tuesday, Thursday, and Friday, 1.10 to 4.00 p.m.; section O, Monday, Wednesday, and Friday, 6.30 to 9.20 p.m.

35-36 *Inorganic Chemistry* (2-2) Knowles
Prerequisite: approval of the instructor. Material fee, \$9.00 a semester; breakage deposit, \$15.00. Laboratory—section M, Monday and Wednesday, 1.10 to 4.00 p.m.; section P, Tuesday and Thursday, 6.30 to 9.20 p.m. Summer Sessions 1931 (2-2): laboratory—daily except Saturday, 9.55 a.m. to 1.30 p.m.

†41-42 *Organic Chemistry* (4-4) Mackall, Brandt, and Assistants
Prerequisite: Chemistry 4 or 6. Material fee, \$12.00 a semester; breakage deposit, \$20.00. Lectures—section A, Tuesday and Thursday, 11.10 a.m.; section B, Tuesday and Thursday, 5.10 p.m. Laboratory—section M, Monday and Wednesday, 1.10 to 4.00 p.m.; section N, Tuesday and Thursday, 1.10 to 4.00 p.m.; section P, Tuesday and Thursday, 6.30 to 9.20 p.m. Summer Sessions 1931 (4-4): lectures—daily except Saturday, 8.40 to 9.45 a.m.; laboratory—daily except Saturday, 9.55 a.m. to 1.30 p.m.

†151-52 *Chemistry of Food and Nutrition* (3-3)

Dyer

Prerequisite: Chemistry 4 or 6. Material fee, \$4.50 a semester; breakage deposit, \$15.00. Lectures—Tuesday and Thursday, 5.10 p.m. Laboratory—section M, Friday, 1.10 to 4.00 p.m.; section O, Friday, 6.30 to 9.20 p.m.

SECOND GROUP

†111-12 *Physical Chemistry* (4-4)

Gibson

Prerequisites: Chemistry 122, Mathematics 20, and Physics 14. Material fee, \$6.00 a semester; breakage deposit, \$15.00. Lectures—Tuesday and Thursday, 5.10 p.m. Laboratory—section N, Tuesday and Thursday, 1.10 to 4.00 p.m.; section P, Tuesday and Thursday, 6.30 to 9.20 p.m.

†121-22 *Quantitative Inorganic Analysis* (4-4) Van Evera and Assistants

Prerequisite: Chemistry 22. Material fee, \$12.00 a semester; breakage deposit, \$20.00. Lecture—section A, Friday, 11.10 a.m.; section B, Friday, 5.10 p.m. Laboratory—section M, Monday, Wednesday, and Friday, 1.10 to 4.00 p.m.; section N, Tuesday, Thursday, and Friday, 1.10 to 4.00 p.m.; section O, Monday, Wednesday, and Friday, 6.30 to 9.20 p.m.

135-36 *Inorganic Chemistry* (2-2)

Van Evera

Prerequisite: Chemistry 122. Material fee, \$12.00 a semester; breakage deposit, \$15.00. Laboratory—section N, Tuesday and Thursday, 1.10 to 4.00 p.m.; section O, Monday and Wednesday, 6.30 to 9.20 p.m. Summer Sessions 1931 (2-2): laboratory—daily except Saturday, 9.55 a.m. to 1.30 p.m.

†41-42 *Organic Chemistry* (2-2)

Mackall

Prerequisite: Chemistry 42. Lectures—Monday and Wednesday, 5.10 p.m.

145-46 *Organic Chemistry* (2-2)

Mackall and Assistant

Prerequisite: Chemistry 42. Material fee, \$12.00 a semester; breakage deposit, \$20.00. Laboratory—section M, Wednesday and Friday, 1.10 to 4.00 p.m.; section O, Monday and Wednesday, 6.30 to 9.20 p.m. Summer Sessions 1931 (2-2): laboratory—daily except Saturday, 9.55 a.m. to 1.30 p.m.

†151-52 *Biochemistry* (4-4)

Dyer

Prerequisites: Chemistry 42 and 122. Material fee, \$12.00 a semester; breakage deposit, \$20.00. Lectures—Monday and Wednesday, 5.10 p.m. Laboratory—Monday and Wednesday, 6.30 to 9.20 p.m.

†165-66 *Chemical Engineering* (3-3) Knowles
Prerequisites: Chemistry 42 and 122; Mathematics 20. Lectures—Monday, Wednesday, and Friday, 6.10 p.m.

191 *Chemical Bibliography* (1) Mackall
Prerequisites: Chemistry 42 and 122; a reading knowledge of German or French, preferably the former. Lecture—Friday, 5.10 p.m.

192 *History of Chemistry* (1) Mackall
Prerequisites: Chemistry 42 and 122. Lecture—Friday, 5.10 p.m.

THIRD GROUP

†203-4 *Contact Catalysis* (2-2) Emmett
Prerequisite: Chemistry 112. Lectures—Tuesday and Thursday, 5.10 p.m.

211 *Advanced Physical Chemistry* (2)
General thermodynamics. Prerequisite: Chemistry 112. Lectures—Tuesday and Thursday, 5.10 p.m.

212 *Advanced Physical Chemistry* (2) Gibson
Thermodynamics of solutions. Prerequisite: Chemistry 211. Lectures—Monday and Wednesday, 5.10 p.m.

213 *Advanced Physical Chemistry* (2) Gibson
Structure. Prerequisite: Chemistry 112. Lectures—Monday and Wednesday, 5.10 p.m.

214 *Advanced Physical Chemistry* (2)
Kinetic theory. Prerequisite: Chemistry 112. Lectures—Tuesday and Thursday 5.10 p.m.

†223-24 *Qualitative Organic Analysis* (2-2) Mackall and Assistant
Prerequisites: Chemistry 22 and 42. Material fee, \$9.00 a semester; breakage deposit, \$20.00. Laboratory—section M, Wednesday and Friday, 1.10 to 4.00 p.m.; section O, Monday and Wednesday, 6.30 to 9.20 p.m.

225-26 *Quantitative Organic Analysis* (2-2) Mackall and Assistant
Prerequisites: Chemistry 42 and 122. Material fee, \$9.00 a semester; breakage deposit, \$20.00. Laboratory—section M, Wednesday and Friday, 1.10 to 4.00 p.m.; section O, Monday and Wednesday, 6.30 to 9.20 p.m.

- †231-32 *Advanced Inorganic Chemistry* (2-2) Gilchrist
Prerequisites: Chemistry 42 and 122. Lectures—Monday
and Wednesday, 5.10 p.m.
- 241 *Carbohydrates* (2) Ambler
Prerequisite: Chemistry 42. Lectures—Tuesday and Thurs-
day, 6.10 p.m.
- 242 *Polypeptides; Dyes; Organic Medicinals* (2) Ambler
Prerequisite: Chemistry 42. Lectures—Tuesday and Thurs-
day, 6.10 p.m.
- 297-98 *Research* The Staff
Hours, fees, and credits by arrangement. Summer Sessions
1931 by special arrangement.

CIVIL ENGINEERING

John Raymond Lapham, M.S., *Professor of Civil Engineering.*

Owen Bert French, C.E., *Professor of Civil Engineering.*

Frank Artemus Hitchcock, M.S., C.E., *Professor of Civil Engineering,
Executive Officer.*

George Albert Chadwick, B.S., *Lecturer on Mechanics.*

Blake Ragsdale Van Leer, M.E., *Lecturer on Hydraulics.*

_____, *Lecturer in Civil Engineering.*

Harold Harrison Dutton, B.S. in C.E., *Associate in Materials Testing.*

Joseph Carl Oleinik, M.S., *Associate in Civil Engineering.*

Minimum requirements for the degree: see pages 172-73

FIRST GROUP

2 *Surveying* (3)

French

The principles, methods, and instruments used in surveying. Field work: adjustment of instruments, measuring areas, leveling, and traverse work. Computation and drafting: reduction of all field work and plotting of results. Surveying fee, \$6.00. Prerequisite: Mathematics 6 and 12. Section A, Tuesday and Thursday, 1.10 p.m. Section B, Monday and Friday, 6.10 p.m. Field work—Tuesday, 1.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 5.10 to 7.00 p.m., and Saturday, 1.00 to 7.00 p.m. (listed as Civil Engineering S5).

14 *Materials and Hydraulics Laboratory* (2) Cruickshanks, Dutton

The experimental determination of the properties of materials such as wood, brick, iron, and steel by mechanical tests, together with the study of the flow of fluids over weirs and through orifices. Prerequisites: Civil Engineering 25-26, 132, and 134, or concurrently with Civil Engineering 132 and 134. Laboratory fee, \$6.00. Section A, Wednesday and Thursday, 1.10 p.m. Section B, Tuesday and Thursday, 7.30 p.m.

15-16 *Nautical Science* (2-2)

French

Marine and aerial navigation; nautical astronomy; nautical almanac; production and use of nautical charts; tides; applications of meteorology, terrestrial magnetism, and oceanography to navigation; theory and use of instruments of navigation. Prerequisite: Trigonometry. Monday and Friday, 5.10 p.m.

25-26 *Materials of Construction (2-2)*

Lapham

Non-metallic materials, with emphasis on cement. Metallic materials, with emphasis on iron and steel. Textbook work is supplemented by special topics and by trips to testing laboratories and manufacturing plants. Prerequisite: Chemistry 4 or 6. Section A, Tuesday and Thursday, 9.10 a.m. Section B, Monday and Wednesday, 5.10 p.m. Summer Sessions 1931 (2-2): daily except Saturday, 5.10 to 7.00 p.m.

41 *Graphic Statics (3)*

Hitchcock

The fundamental principles of graphic statics, the analyses of beams by graphical methods, and the determination of stresses in roof trusses and framed bents under dead, snow, wind, and special loadings. Prerequisite: Civil Engineering 131, or concurrently therewith. Drafting room fee, \$1.00. Section A, Tuesday and Thursday, 11.10 a.m., and Tuesday, 1.10 p.m. Section B, Tuesday and Thursday, 6.10 p.m., and Thursday, 7.30 p.m.

42 *Bridge Stresses (3)*

Hitchcock

The determination of stresses in the modern types of bridge trusses under dead loads, uniform live loads, concentrated moving loads, and lateral forces; influence lines and displacement diagrams, the design of splices and connections in wooden and steel structural members, and the use of the structural steel handbook. Prerequisites: Civil Engineering 41 and 132, or concurrently with Civil Engineering 132. Drafting room fee, \$1.00. Section A, Tuesday and Thursday, 11.10 a.m., and Tuesday, 1.10 p.m. Section B, Tuesday and Thursday, 6.10 p.m., and Thursday, 7.30 p.m.

43-44 *Elements of Structures (3-3)*

Hitchcock

Primarily for architectural students. Graphic statics; center of gravity; moment of inertia; analyses of beams, columns, and roof trusses by graphical and analytical methods; and the design and detailing of simple trusses. Prerequisite: Mathematics 12 and 19. Drafting room fee, \$1.00 a semester. Wednesday and Friday, 6.10 p.m., and Tuesday, 7.30 p.m.

61 *Highways and Pavements (3)*

Highway economics, location, construction, and maintenance; various methods of surfacing; materials used and standard tests of these materials. Prerequisites: Civil Engineering 2 and 25, or concurrently therewith. Monday, Wednesday, and Friday, 8.00 a.m.

71-72 *Railroad Engineering* (3-3)

French

Recitations: railroad curves and earth-work and methods of location and construction of railway lines. Field work: a preliminary and location survey; the laying out of circular and transition curves. Computations and mapping: estimation of quantities and cost of a piece of line, making maps, profiles, and a mass diagram. Prerequisite: Civil Engineering 2. Surveying fee, \$3.00 a semester. Lectures—section A, Monday and Friday, 2.10 p.m.; section B, Tuesday and Thursday, 6.10 p.m. Field work—Saturday; hours to be arranged.

SECOND GROUP

101 *Higher Surveying* (3)

French

The elements of geodesy, triangulation, topography, hydrography, and precise and trigonometric leveling. Field work: measurement of angles for triangulation, topography by transit and stadia and plane-table methods, including the necessary computations. Prerequisite: Civil Engineering 2. Surveying fee, \$6.00. Lectures—section A, Tuesday and Thursday, 1.10 p.m.; section B, Monday and Friday, 6.10 p.m. Field work—Saturday; hours to be arranged.

118 *Practical Astronomy* (2)

French

The elements of astronomy, use of the ephemeris and star catalogues, several methods for determining the latitude, time, longitude, and azimuth. Each student is required to make observations to determine latitude, time, longitude, and azimuth, and compute the same. Prerequisite: Civil Engineering 2. Section A, Tuesday and Thursday, 2.10 p.m. Section B, Tuesday and Thursday, 5.10 p.m.

131 *Theoretical Mechanics* (4)

Chadwick

(a) Statics; including composition, resolution, and equilibrium of forces; center of gravity; moment of inertia. (b) Kinematics and kinetics; including rectilinear, curvilinear, and rotary motion; dynamics of machinery; work and energy; friction; impact. Prerequisites: Physics 14, or concurrently therewith; Mathematics 20. Section A, Monday, Wednesday, Thursday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, Thursday, and Friday, 5.10 p.m.

132 *Mechanics of Materials* (4)

Chadwick

Elastic and ultimate strength and deformation; simple, cantilever, and continuous beams; shear, riveted joints, torsion, columns, resilience, combined stress, curved beams, and hooks;

theories of elastic limit and failure. Prerequisite: Civil Engineering 26 and 131. Section A, Monday, Wednesday, Thursday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, Thursday, and Friday, 5.10 p.m.

- 133-34 *Hydraulics* (2-2) Van Leer
The theoretical principles of hydraulics; including hydrostatics, flow through orifices, over weirs, through pipes, and in open channels, and the dynamic pressure of water. Prerequisites: Civil Engineering 131; Physics 14; Mathematics 20. Section A, Tuesday and Thursday, 9.10 a.m. Section B, Tuesday and Thursday, 5.10 p.m.

- 145-46 *Higher Structures* (3-3) Hitchcock
The determination of the positions of loading and stresses in the more complicated structures, such as swing, continuous, cantilever, and suspension bridges and metallic arches. Prerequisite: Civil Engineering 42. Monday, Tuesday, and Thursday, 5.10 p.m.

- 147-48 *Structural Design* (2-2) Hitchcock
Computations and drawings for a complete design of a steel roof truss, a through or deck-plate girder bridge, and a railroad bridge of six or seven panels or a heavy highway bridge. Prerequisite: Civil Engineering 42. Drafting room fee, \$3.00 a semester. Tuesday and Thursday, 7.30 p.m.

- 149 *Reinforced Concrete and Masonry Construction* (3) Hitchcock, Oleinik
Plain concrete, general properties of reinforced concrete, beams, and slabs, column bendings and direct stress, continuous beams, and building frames. Tests of cement and concrete. Prerequisites: Civil Engineering 25 and 132. Laboratory fee, \$6.00. Wednesday and Friday, 5.10 p.m., and Monday, 7.30 p.m.

- 150 *Reinforced Concrete and Masonry Construction* (3) Hitchcock, Oleinik
Foundations; retaining walls; slab, beam, and girder bridges; culverts; conduits; bridge piers and abutments. Prerequisite: Civil Engineering 149. Drafting room fee, \$1.00. Wednesday and Friday, 5.10 p.m., and Monday, 7.30 p.m.

- 181-82 *Water Supply and Sewerage* (3-3) Lapham
Collection, storage, purification, and distribution of water. Sewerage systems and treatment of sewerage. Three recita-

tion periods first semester; two recitation periods and one design period second semester. Prerequisites: Civil Engineering 134; Chemistry 4 or 6. Drafting room fee, \$1.00 second semester. First semester, Monday, Wednesday, and Friday, 6.10 p.m.; second semester, Monday and Friday, 6.10 p.m., and Wednesday, 7.30 p.m.

CLASSICAL LANGUAGES AND LITERATURES

Charles Sidney Smith, Ph.D., *Professor of Classical Languages.*

Minimum requirements for the major: twenty-four semester-hours of Latin.

GREEK

FIRST GROUP

- †1-2 *Elementary* (3-3) Smith
The essentials of Greek grammar. Translation from Xenophon's "Anabasis." Monday, Wednesday, and Friday, 10.10 a.m.
- 3-4 *Homer's "Iliad"; Herodotus; Lysias* (3-3) Smith
Prerequisite: Greek 2 or its equivalent. Monday, Wednesday, and Friday, 10.10 a.m. (Not given 1931-32.)
- 5-6 *Xenophon; Plato; Euripides* (3-3) Smith
Memorabilia; Selected Dialogues; Alcestis. Prerequisite: Greek 4 or its equivalent. Tuesday, Thursday, and Saturday, 9.10 a.m.

LATIN

FIRST GROUP

- †21-22 *Elementary* (3-3)
The essentials of Latin grammar and translation of selections from prose authors. Hours to be arranged. (Not given 1931-32.)
- 23-24 *Intermediate* (3-3)
Selections from Cicero's "Orations" and Virgil's "Aeneid," and prose composition. Hours to be arranged.
- 25-26 *Livy; Cicero; Horace* (3-3) Smith
Livy, book I or XXI; De Senectute; Odes and Epodes; and prose composition. Prerequisite: four years of high-school Latin or the equivalent. Monday, Wednesday, and Friday, 2.10 p.m.

SECOND GROUP

- 101-2 *Cicero; Pliny; Horace* (3-3) Smith
Cicero's and Pliny's letters; Horace's satires and epistles.

Prerequisite: Latin 5-6. Tuesday, Thursday, and Saturday, 10.10 a.m. (Not given 1931-32.)

- *105-6 *Tacitus; Terence; Plautus* (3-3) Smith
 Selections from Tacitus; Phormio and Captivi. Prerequisite:
 Latin 5-6. Tuesday, Thursday, and Saturday, 10.10 a.m.

- 109-10 *Horace's "Ars Poetica"; Quintilian; Catullus, Tibullus,
 and Propertius* (3-3) Smith
 Prerequisite: Latin 5-6. Tuesday, Thursday, and Saturday,
 10.10 a.m. (Not given 1931-32.)

- †113-14 *Advanced Prose Composition and Reading at Sight* (1-1) Smith
 Hours to be arranged.

THIRD GROUP

- 205-6 *Latin Seminar* (3-3) Smith
 Training in the methods of philological criticism and in the
 interpretation of the classical authors, with opportunities
 for original research. The center of study in 1931-32 will
 be Virgil and Roman epic poetry. Hours to be arranged.

CLASSICAL LITERATURE

SECOND GROUP

- 121-22 *Survey of Greek and Roman Literature* (3-3) Smith
 A study, in English, of the development of the different depart-
 ments of literature in ancient Greece and Rome, illustrated
 by readings, in translation, from the most important authors.
 Monday, Wednesday, and Friday, 4.10 p.m.

* This course is regularly open to sophomores who have passed Latin 5-6.

ECONOMICS

John Donaldson, Ph.D., *Professor of Political Economy.*

Richard Norman Owens, Ph.D., C.P.A., *Professor of Accounting and Business Administration, Executive Officer.*

Joseph Steinhauer Zucker, Ph.D., *Professorial Lecturer on Taxation.*

Mark Anson Smith, Ph.D., *Professorial Lecturer on Economic History.*

Charles Oscar Hardy, Ph.D., *Professorial Lecturer in Economics.*

William Frederick Notz, Ph.D., *Professorial Lecturer in Economics.*

Harold Griffith Sutton, M.S., *Associate Professor of Finance.*

Daniel Houston Buchanan, Ph.D., Sc.D., *Associate Professor of Economics.*

Walter Lyman Rice, A.B., LL.B., *Lecturer on Commercial and Maritime Law.*

Ralph Dale Kennedy, A.M., *Instructor in Economics.*

_____, *Instructor in Economics.*

Minimum requirements for the major: Economics 1-2, 105 or 106, and 175, and eighteen additional semester-hours selected from the following—105 or 106, 109-10, 119, 120, 123, 126, 131, 132, 135, 142, 153-54, 155-56, and 191-92. Elective courses must include six hours in European or English History and six hours in American or European Government.

For curricula in Business Administration, Finance, Domestic Commerce, and Foreign Commerce, see the School of Government.

FIRST GROUP

1-2 *Principles of Economics* (3-3)

Buchanan

An analysis of the existing economic order and the problems which it presents; value and price; money and banking; the distribution of wealth; international trade; labor problems; industrial combinations; socialism; taxation. Sections A, B, C, D, and E, Tuesday, Thursday, and Saturday, 10.10 a.m. to 5.10 p.m. This course will be conducted by two lectures and one discussion group each week. The hours at which the third meeting will be held are to be arranged. All students must keep the three hours open for this course as indicated above. Summer Sessions 1931 (3-3): daily except Saturday, 6.10 to 8.00 p.m.

21-22 *Principles of Accounting* (3-3)

Owens, Kennedy

The objectives of this course are the understanding of methods of analysis peculiarly adapted for dealing with financial data of an economic enterprise, and the thorough understanding of the accepted principles and procedures of double-entry accounting. Section A, Monday, Wednesday, and Friday, 11.10 a.m. Double laboratory period Friday. Section B, Tuesday, Thursday, and Saturday, 6.10 p.m. Double laboratory period Thursday. Section C, Monday, Wednesday, and Friday, 6.10 p.m. Double laboratory period Monday. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 7.00 p.m.

SECOND GROUP

105 *History of Commerce* (3)

Smith

Historical development of commerce and industry; origins of economic institutions. Tuesday, Thursday, and Saturday, 5.10 p.m.

106 *Economic History of the United States* (3)

Smith

The economic development of the nation and of its latter-day commercial and industrial problems. Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 5.10 p.m.

109-10 *Commercial Geography* (3-3)

Donaldson

Summary of economic aspects of facts and principles of geography; analysis of the modern industrial and commercial structure as governed by economico-geographic principles; survey of the world's major resources, industries, strategic commodities, and markets; study of economic conditions in the various nations and their position in international commerce. Section A, Monday, Wednesday, and Friday, 11.10 a.m. Section B, Monday, Wednesday, and Thursday, 6.10 p.m. Section C, Monday, Wednesday, and Friday, 6.10 p.m.

119 *Money and Banking* (3)

Sutton

The evolution of money and credit; monetary systems; principles of banking operation; the interrelations of money, credit, and prices; banking organization; the financing problems of typical business concerns in the United States. Prerequisite: Economics 1-2. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 6.10 p.m. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 7.00 p.m. (listed as Economics S119-20).

- 120 *Banking Systems* (3) Sutton
Comparative analysis of modern banking systems, with particular reference to the Federal Reserve System; credit control and its economic possibilities; inter-system cooperation. Prerequisites: Economics 1-2 and 119. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 6.10 p.m. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 7.00 p.m. (listed as Economics S119-20).
- 123 *Public Finance* (3) Zucker
A survey of the principles employed by governments in their financial operations; budget-making, borrowing, expenditures, and revenues, with especial reference to taxation. Prerequisite: Economics 1-2. Monday, Wednesday, and Friday, 6.10 p.m.
- 124 *Federal Taxation* (3) Zucker
The general principles and practice of Federal taxation; analysis of tax incidence; a survey of income, excise, and inheritance taxes; study of the several revenue acts, with especial reference to the income tax. Class problems and discussion. Prerequisite: Economics 1-2. Monday, Wednesday, and Friday, 6.10 p.m.
- 126 *International Banking and Exchange* (3) Sutton
Basic principles of international credit and exchange; structure of international credit; exchange rates; gold movements; limits of national credit; depreciated currencies; the problem of reestablishing credit and methods employed by European nations to accomplish it; reparations and economic consequences; the International Bank. Prerequisites: Economics 119 and 120. (Given alternate years; not given 1931-32.)
- 127 *European National Banking Systems* (2) Hardy
Summer Sessions 1931: daily except Saturday, 9.40 a.m.
- 131 *Business Organization and Control* (3) Owens
A study of types of business enterprise; provisions of corporate charter and by-laws; rights and duties of stockholders and directors; business combinations; questions of regulation of business enterprises. Prerequisite: Economics 1-2. Monday, Wednesday, and Friday, 10.10 a.m.
- 132 *Business Management* (3) Owens
The basic principles of internal organization and management.

special attention being given to the problems of the manufacturing concern. Prerequisite: Economics 1-2. Monday, Wednesday, and Friday, 10.10 a.m.

135 *Corporation Finance* (3)

Sutton

The financial structure of business corporations and combinations; securities and their variation in risk and control; the stock market and speculation; financial policy; promotions; mergers; underwriting; receiverships; reorganization. Prerequisite: Economics 1-2. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m.

136 *Investments* (3)

Sutton

The basic principles of investments: analysis of the various factors of investment credit and their application to the different types of investments; needs of various classes of private and institutional investors; proper selection of securities adapted to these needs; necessary care of investments after making them. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 7.10 p.m.

137-38 *Advanced Accounting* (3-3)

Owens

Partnership accounting, corporation accounting, valuation and related problems, investments, sinking funds, distinction between capital and revenue expenditures, problems of liquidation, combination, consolidations, consolidated balance sheet and profit and loss statement, accounts of receivers and trustees. Prerequisite: Economics 21-22. Tuesday, Thursday, and Saturday, 5.10 p.m.

139 *Cost Accounting* (3)

Owens

The field and purpose of cost accounting; methods and principles involved in handling and accounting for the charges against materials and labor; the distribution of overhead expenses. Prerequisite: Economics 21-22. Summer Sessions 1931: daily except Saturday, 7.10 p.m.

140 *Auditing* (3)

Owens

Qualifications, duties, and responsibilities of the public auditor. The principles involved and procedures used in making audits; detection of errors. Prerequisites: Economics 21-22 and three additional semester-hours in accounting. Tuesday, Thursday, and Saturday, 6.10 p.m.

- 142 *Labor Problems* (3) Buchanan
The economic relations of the wage-earners with the employers and the public; trade unionism; problems of unemployment, labor legislation, social insurance, and political demands of labor. Prerequisite: Economics 1-2. Monday, Wednesday, and Friday, 6.10 p.m.
- 143 *Accounting Theory and Problems* (3) Owens
The solution of accounting problems and discussion of the accounting principles involved. Most of the problems are taken from the State examinations for the certificate of certified public accountant. Prerequisite: Economics 137-38. (Not given 1931-32.)
- 145 *Managerial Accounting* (3) Owens
The use of accounting records and reports in controlling the various phases of activity of industrial and commercial enterprises. Special emphasis is placed upon the preparation and use of budgets for private businesses. Prerequisite: Economics 21-22. Tuesday, Thursday, and Saturday, 6.10 p.m.
- 147 *Marketing* (3) Kennedy
Principles, methods, and problems, including the national "distribution problem." Prerequisite: Economics 1-2. Tuesday, Thursday, and Saturday, 5.10 p.m.
- 150 *Exporting and Importing* (3) Kennedy
The procedure and practices of exporting and importing. Prerequisite: Economics 1-2. Tuesday, Thursday, and Saturday, 5.10 p.m.
- 153-54 *Principles of Transportation* (3-3) Kennedy
Principles of railway transportation, with emphasis upon national railway policies; principles of ocean transportation, with special attention to mercantile marine policies of the United States and other leading nations; highway and air transportation. Prerequisite: Economics 1-2. Monday, Wednesday, and Friday, 11.10 a.m.
- 155-56 *Risk and Risk-bearing* (3-3) Kennedy
The risks of industry and ways of dealing with them: speculation, hedging, business forecasting, life insurance, property insurance. Social aspects of risk, speculation, and insurance. Prerequisite: Economics 1-2. Monday, Wednesday, and Friday, 5.10 p.m.
- 159-60 *Commercial and Maritime Law* (3-3) Rice
The principles of the law relating to commercial transac-

tions, especially contracts, sales, bailments, agency, partnership, negotiable instruments, and common carriers, with some study of admiralty law. Tuesday, Thursday, and Saturday, 6.10 p.m.

- 166 *Relation of Government to Business* (3) Donaldson
Politico-economics: interrelation of political and economic institutions; property and contract and the state; the competitive system versus socialism; government regulation of monopoly and of trade practices; public utilities; national problems and policies. Prerequisite: Economics 1-2. (Not given 1931-32.)

- 175 *Economic Theory* (3) Buchanan
Analytical and critical study of the various types of modern economic theory. Prerequisite: Economics 1-2. Monday, Wednesday, and Friday, 6.10 p.m.

- 185 *European Economic Problems* (2) Notz
Summer Sessions 1931: daily except Saturday, 11.40 a.m.

- †191-92 *International Economic Relations* (3-3) Donaldson
Principles and policies of the economic relations of nations: structure of world economy; geographic, social, political, legal, and territorial factors; industrial bases; international trade, transportation, finance; includes comprehensive and coordinated treatment of tariff principles and systems, commercial treaties, foreign concessions and spheres of influence, world combines, double taxation, world market controls, foreign investments, ship subsidies, and other outstanding economic and politico-economic policies and problems of foreign affairs. Monday, Wednesday, and Friday, 5.10 p.m. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 7.00 p.m.

THIRD GROUP

- 221-22 *History and Literature of Economic Thought* (3-3) Buchanan
A survey of economic thought from ancient times to the present. Monday, Wednesday, and Friday, 5.10 p.m.

- 252 *Seminar* (3) Donaldson
Summer Sessions 1931: Wednesday, 7.30 p.m.

- 291-92 *Seminar* (3-3) Donaldson and Staff
Research in national and international economic problems and policies. Wednesday, 7.45 p.m.

EDUCATION

- *William Carl Ruediger, Ph.D., *Professor of Education.*
 William Cullen French, Ph.D., *Professor of Education, Executive Officer.*
 Frank Washington Ballou, Ph.D., *Professorial Lecturer in Education.*
 Jessie Elizabeth La Salle, A.M., *Professorial Lecturer in Education.*
 Edgar Creighton Higbie, Ph.D., *Professorial Lecturer in Education.*
 Roy Oren Billett, Ph.D., *Professorial Lecturer in Education.*
 Anna Dorothea Halberg, A.M., *Professorial Lecturer in Education.*
 J. Orin Powers, Ph.D., *Associate Professor of Education.*
 Mitchell Dreese, Ph.D., *Assistant Professor of Education.*
 Mybert Eustace Broom, A.M., *Visiting Assistant Professor of Education.*
 Maude Eleanor Aiton, A.M., *Lecturer on Americanization.*
 Lewis Raymond Alderman, A.B., *Lecturer on Adult Education.*
 Earl Wingert Barnhart, B.L., *Lecturer on Commercial Education.*
 Florence Van Auken Watkins, B.S., *Lecturer on Parental Education.*
 Charles Ricketson Allen, A.M., Sc.D., *Lecturer in Education.*
 Victor Herbert Noll, Ph.D., *Lecturer in Education.*
 Lois Coffey Mossman, Ph.D., *Lecturer in Education.*

Minimum requirements for the major: twenty-four semester-hours, in addition to History of Education, Observation, and Practice Teaching.

SECOND GROUP

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| <p>102 <i>Educational Psychology</i> (3)
 See Psychology 102 and 104.</p> <p>105 <i>Character Education</i> (2)
 Materials and methods of character development in the home, school, and community. Saturday, 9.10 to 11.00 a.m.</p> <p>106 <i>The Exceptional Child</i> (2)
 Gifted, backward, subnormal, neurotic, and morally and socially inadequate children. Standard tests and other methods of measuring individual differences. Saturday, 9.10 to 11.00 a.m.</p> | <p>Hunt</p> <p>La Salle</p> <p>La Salle</p> |
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* On sabbatical leave 1931-32.

- 108 *Effective Study* (2) La Salle
Prevalent weaknesses in study and their causes. Finding and organizing fundamental ideas; attacking assignments; using syllabi; note-taking; outlining; summarizing; memorizing. Special attention is given to supervised study. (Not given 1931-32).
- 109-10 *Child Development* (2-2) Hudson
A review of the existent knowledge in the physiological, psychological, and psychiatric development of children. Wednesday and Friday, 4.10 p.m.
- 111 *History of Education* (3) French, Powers
A course in the development of educational theory and practice from ancient times to the present. Tuesday, Thursday, and Saturday, 9.10 a.m. Summer Sessions 1931 (3): daily except Saturday, 7.40 a.m.
- 112 *History of American Education* (3) French
The development of the American school system, with special reference to administrative features and social relationships. Tuesday, Thursday, and Saturday, 9.10 a.m.
- 115 *Technique of Teaching* (3) Dreese, Halberg
The principles underlying the teaching process, with special reference to the development of understandings, attitudes, and skills. Prerequisite: General Psychology. Monday, Wednesday, and Friday, 9.10 a.m. Summer Sessions 1931 (2): daily except Saturday, 8.40 a.m. (listed as Education S126).
- 116 *Principles of Education* (3) Dreese
The bases, meaning, and objectives of education as related to the curriculum and to social needs and values. Prerequisite: General Psychology. Monday, Wednesday, and Friday, 9.10 a.m.
- 119 *The Teaching Process* (2) Dreese
Parallel with Education 115, but designed for teachers with experience. Prerequisite: General Psychology. Tuesday and Thursday, 4.10 p.m.
- 120 *Philosophy of Education* (2) Dreese
Parallel with Education 116, but designed for teachers with experience. Prerequisite: General Psychology. Tuesday and Thursday, 4.10 p.m.

- 126 *Teaching of Home Economics* (3) Kirkpatrick
This course treats the application of psychological principles to the teaching of Home Economics subject-matter. Tuesday, Thursday, and Saturday, 9.10 a.m.
- 128 *Observation* (3) Powers
Observation of experienced teachers, under guidance, followed by conference. The course should normally be taken in the junior year. Hours to be arranged.
- 129 *Practice Teaching* (3) Powers
Teaching under supervision, with criticism. The course should normally be taken in the senior year. Hours to be arranged.
- 133-34 *Tests and Measurements* (3-3) Dreese, Broom
First semester: tests and examinations; objective tests; standardized tests; relation to teaching and supervision. Second semester: tests in specific subjects, with special reference to secondary education. Monday, Wednesday, and Friday, 4.10 p.m. Summer Sessions 1931 (2): daily except Saturday, 11.40 a.m. See also Psychology 119, 119X, and 251-52.
- 137 *Tests in High-school Subjects* (2) Noll
Summer Sessions 1931: daily except Saturday, 7.40 a.m.
- 142 *Primary Education* (2) Halberg
Summer Sessions 1931: daily except Saturday, 9.40 a.m.
- 143-44 *Industrial Arts* (2-2) Mossman, French, Bray
A course on the correlation of art, home economics, and manual activities in the elementary school. Tuesday, 7.30 to 9.30 p.m.
- 145-46 *The Social Studies* (2-2) French, Hill
Historical setting; survey of courses of study and contemporary literature; methods of teaching. Wednesday, 7.30 to 9.30 p.m. Summer Sessions 1931 (2): daily except Saturday, 4.10 p.m. (listed as Education S157).
- 147-48 *Elementary Education* (2-2) French, Broom
Psychology of the elementary-school subjects. Analyses of the learning processes in reading, composition, arithmetic, geography, history, etc., with special reference to methods of instruction. Tuesday and Thursday, 5.10 p.m. Summer Sessions 1931 (2): daily except Saturday 8.40 a.m.
- 149-50 *Elementary-school Curriculum* (2-2) French
Principles of curriculum construction; objectives of elementary

education; organization of subject-matter; examination of curricula, syllabi, and texts. Tuesday and Thursday, 4.10 p.m. Summer Sessions 1931 (2): daily except Saturday, 10.40 a.m.

- 151 *The High School* (3) Powers, Billett
Aims and functions; reorganization; program of study; guidance; standardization; plant; teaching procedures. Monday, Wednesday, and Friday, 11.10 a.m. Summer Sessions 1931 (2): daily except Saturday, 7.40 a.m.

- 151X *The High School* (3) Powers
Same as Education 151, but given second semester. Monday, Wednesday, and Friday, 5.10 p.m.

- 152 *The Junior High School* (3) Powers
Special purposes and appropriate organization; program of studies; classification of pupils; history of the movement. Monday, Wednesday, and Friday, 11.10 a.m. Summer Sessions 1931 (2): daily except Saturday, 8.40 a.m.

- 152X *The Junior High School* (3) Powers
Same as Education 152, but given first semester. Monday, Wednesday, and Friday, 5.10 p.m.

- 155 *Guidance in Secondary Schools* (2) Powers
Administration of educational and vocational guidance in junior and senior high schools; vocational information; utilizing test results and school marks; organizing the staff for guidance. Prerequisite: General Psychology and Education 151-52 or the equivalent. Tuesday and Thursday, 4.10 p.m.

- 156 *Extra-curricular Activities* (2) Powers
Types of activities in junior and senior high schools; aims and values; practices in organizing, administering, and supervising; methods of evaluation. Prerequisite: Education 151-52 or the equivalent. Tuesday and Thursday, 4.10 p.m.

- 158 *Teaching of English* (3) Croissant
Tuesday, Thursday, and Saturday, 11.10 a.m.

- 159 *Oral Methods in Education* (2) Yeager
Organization of high-school and college courses; methods of teaching reading, interpretation, dramatics, public speaking, and debate; coaching of debates and plays; standards of criticism. Prerequisite: six hours of Public Speaking or permission of the instructor. Summer Sessions 1931: daily except Saturday, 10.40 a.m.

- 161-62 *Parent-teacher Movement* (2-2) Watkins
First semester: objectives and significance; national, State, and local organizations; fields of activity; relation to educational, social, and welfare agencies. Second semester: parental education; efficient child training; the home and school as social institutions; home and school cooperation; helpful parent-teacher programs. Monday, 7.30 to 9.30 p.m.
- 165-66 *Americanization* (2-2) Aiton
Methods of teaching English, civics, and related subjects to foreigners. Consideration will be given to racial backgrounds, immigration laws, naturalization laws, and conceptions of Americanization. Tuesday and Thursday, 6.10 p.m.
- 169-70 *Adult Education* (3-3) Alderman
A course emphasizing the organization of adult education in the community, its special reference to the use of libraries, museums, clubs, workers' education, special lectures and forums, and other educational agencies. Tuesday, 7.30 to 9.30 p.m., and field assignments.
- 173-74 *Industrial Education* (2-2) Allen
Hours to be arranged.
- 175 *Teaching of Romance Languages* (2) Doyle
Summer Sessions 1931: daily except Saturday, 11.40 a.m.
- 177-78 *Commercial Education* (3-3) Barnhart
Curriculum-making for commercial subjects in secondary schools. First semester: objectives and curriculum-making; procedures for commercial courses and subjects. Second semester: curriculum-making and course-of-study construction in selected subjects for different kinds of secondary schools. Tuesday, 7.10 to 9.00 p.m.
- 184 *School Administration* (3) Powers
Present status and tendencies in organization and administration of school systems, with interpretations; problems of administration. (Not given 1931-32.)
- 186 *Supervision* (3) Powers
(Not given 1931-32.)
- 187-88 *The Elementary-school Principalship* (2-2) Higbie
First semester: the functions and opportunities of the school principal. Second semester: the principles and practices of constructive supervision. Thursday, 7.30 p.m.

THIRD GROUP

- 211-12 *Educational Origins* (3-3) French
A study of the development of American educational institutions, ideals, practices, curricula, and textbooks as revealed by documentary evidence. Tuesday, 7.30 to 9.30 p.m. Summer Sessions 1931 (3): daily except Saturday, 11.40 a.m.
- 247-48 *Seminar* (3-3) French
Experimental education; a survey of inductive studies; investigations and reports. (Not given 1931-32.)
- 249-50 *Seminar in Curriculum* (3-3) French
A survey of current tendencies, combined with research studied by members of the class. Thursday, 7.30 to 9.30 p.m.
- 251-52 *Seminar* (3-3) Powers
Research problems in secondary education. Primarily for graduate students who are working on theses or other research problems. Tuesday, 7.30 to 9.30 p.m.
- 253-54 *The High-school Curriculum* (3-3)
A survey of current tendencies, combined with research studies by members of the class. Monday, 7.30 to 9.30 p.m. (Not given 1931-32.)
- 279-80 *Seminar* (3-3) Ruediger
A study of teacher-training institutions, curricula, and methods, with reference to European practices. (Not given 1931-32.)
- 283-84 *Research Problems* (3-3) Ballou
The direction of investigations in the field of public-school education. Consultation hours to be arranged.
- 285-86 *Seminar* (3-3) Powers
Topic for 1931-32: high-school supervision. Tuesday and Thursday, 6.10 p.m. Summer Sessions 1931 (3): Education 286, daily except Saturday, 10.40 a.m.
- 287-88 *Seminar* (3-3) Dreese, Broom
Mental and educational tests in relation to supervision. Tuesday and Thursday, 5.10 p.m. Summer Sessions 1931 (3): Education 288, daily except Saturday, 9.40 a.m.
- 291-92 *Thesis* (3-3) The Staff
Students working on Master's theses will register for this course. Wednesday, 7.30 to 9.30 p.m.

ELECTRICAL ENGINEERING

Norman Bruce Ames, B.S., E.E., LL.B., *Professor of Electrical Engineering, Executive Officer.*

Alfred G. Ennis, M.S. in E.E., *Instructor in Electrical Engineering.*

Requirements for the degree: see pages 173-74

FIRST GROUP

- 9-10 *Electrical Engineering* (3-3) Ames, Ennis
First semester: magnetic and electric circuits, and direct-current instruments and machines. Second semester: alternating-current circuits, instruments, and machines. Prerequisites: Physics 14, or concurrently therewith; Mathematics 20. Section A, Monday, Wednesday, and Friday, 11.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m.
- 13-14 *Electrical Laboratory* (2-2) Ames, Ennis
Experiments in direct and alternating currents and direct- and alternating-current machinery. Prerequisite: Electrical Engineering 10. Laboratory fee, \$6.00 a semester. Section A, Monday, 1.10 p.m. Section B, Friday, 1.10 p.m. Section C, Monday, 7.30 p.m. Section D, Friday, 7.30 p.m.
- 17-18 *Electrical Laboratory* (2-2) Ames, Ennis
A course in measurements and direct-current dynamo laboratory. Prerequisite: Electrical Engineering 9-10. Laboratory fee, \$6.00 a semester. Section A, Monday, 1.10 p.m. Section B, Friday, 1.10 p.m. Section C, Monday, 7.30 p.m. Section D, Friday, 7.30 p.m.

SECOND GROUP

- 121 *Alternating-current Theory* (3) Ames
Extended alternating-current circuit theory for electrical students only. Prerequisite: Electrical Engineering 10. Section A, Monday, Wednesday, and Friday, 11.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m.
- 122 *Alternating-current Machinery* (3) Ames
Particularly synchronous generators and motors and transformers. Prerequisite: Electrical Engineering 121. Section A,

Monday, Wednesday, and Friday, 11.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m.

123 *Alternating-current Machinery* (3) Ames

A continuation of Electrical Engineering 122, covering converters, induction motors, and single-phase motors. Prerequisite: Electrical Engineering 122. Monday, Wednesday, and Friday, 6.10 p.m.

125-26 *Transmission and Distribution* (2-2) Ennis

Mechanical and electrical characteristics of transmission lines. Approximate and rigorous solutions by means of hyperbolic trigonometry. Steady state and elementary transient considerations. The more important phases of distribution of electrical energy. Prerequisite: Electrical Engineering 121. Tuesday and Thursday, 6.10 p.m.

133-34 *Advanced Electrical Laboratory* (2-2) Ames, Ennis

A continuation of Electrical Engineering 17-18, with experiments on alternating-current circuits, instruments, and machinery. Prerequisite: Electrical Engineering 122. Laboratory fee, \$6.00 a semester. Section A, Monday, 1.10 p.m. Section B, Friday, 1.10 p.m. Section C, Monday, 7.30 p.m. Section D, Friday, 7.30 p.m.

136 *Hydro-electric Engineering* (2) Ames

Present-day theory and practice in hydro-electric engineering. Prerequisites: Civil Engineering 134 and Electrical Engineering 10. Tuesday and Thursday, 5.10 p.m.

137 *Electric Railways* (2) Ames

Theory and practice of modern direct- and alternating-current railways. Prerequisites: Electrical Engineering 121 and 122, or concurrently therewith. Tuesday and Thursday, 5.10 p.m.

139 *Illumination* (2) Ennis
(Not given 1931-32.)

140 *Electrical Design* (3) Ennis

Principles of design, with reference to materials of construction, and electrical equipment. Practical exercises are assigned in connection with classroom work. Prerequisite: Electrical Engineering 121. Drafting room fee, \$1.00. Monday and Friday, 6.10 p.m., and Wednesday, 7.30 p.m.

ENGLISH

William Allen Wilbur, A.M., Litt.D., LL.D., *Professor of English.*
 DeWitt Clinton Croissant, Ph.D., *Professor of English, Executive Officer.*
 Robert Whitney Bolwell, Ph.D., *Professor of American Literature.*
 Anna Pearl Cooper, A.M., *Associate Professor of English.*
 Audley Lawrence Smith, A.M., *Assistant Professor of English.*
 Courtland Darke Baker, A.M., *Assistant Professor of English.*
 Douglas Bement, A.M., LL.B., *Assistant Professor of English.*
 Ernest Sewall Shepard, A.M., *Assistant Professor of English.*
 _____, *Lecturer on Editing.*
 Martha Gibbon, A.M., *Instructor in English.*
 Daniel Champlin Chace, A.B., *Associate in Journalism.*

Minimum requirements for the major: English 1-2 and 51-52, and four second-group courses in literature, three of which are selected from 129-30; 139-40; 141-42; 151-52; 161-62; 165-66; 171-72.

FIRST GROUP

1-2 *English Rhetoric* (3-3) Wilbur and Staff
 Section A, Tuesday, Thursday, and Saturday, 10.10 a.m.
 Section B, Monday, Wednesday, and Friday, 5.10 p.m.
 Summer Sessions 1931 (2-2): English 1, daily except Saturday, 5.10 p.m.; English 2, daily except Saturday, 6.10 p.m.

3-4 *English Rhetoric* (3-3) Gibbon
 Special course for foreign students, carrying credit for English Rhetoric. Taken only by assignment of the Adviser to Foreign Students. Section A, Monday, Wednesday, and Friday, 11.10 a.m. Section B, Monday, Wednesday, and Friday, 6.10 p.m.

9-10 *English Composition* (3-3) Bement, Gibbon
 Section A, Monday, Wednesday, and Friday, 10.10 a.m.
 Section B, Tuesday, Thursday, and Saturday, 10.10 a.m.
 Section C, Monday, Wednesday, and Friday, 5.10 p.m.
 Section D, Monday, Wednesday, and Friday, 5.10 p.m.
 Section E, Tuesday, Thursday, and Saturday, 6.10 p.m.
 Summer Sessions 1931 (2): English 10, daily except Saturday, 10.40 a.m.

- 51-52 *Survey of English Literature* (3-3) Smith and Staff
 Section A, Tuesday, Thursday, and Saturday, 9.10 a.m.
 Section B, Tuesday, Thursday, and Saturday, 5.10 p.m.

- 91-92 *Types of European Literature* (3-3) Shepard and Staff
 Section A, Tuesday, Thursday, and Saturday, 10.10 a.m.
 Section B, Tuesday, Thursday, and Saturday, 6.10 p.m.
 Summer Sessions 1931 (3-3): English 91, daily except Saturday, 5.10 p.m.; English 92, daily except Saturday, 6.10 p.m.

SECOND GROUP

- †115-16 *The Short Story* (3-3) Bement
 Open to students only with the consent of the instructor, after submitting a specimen of original composition. Section A, Tuesday, Thursday, and Saturday, 9.10 a.m. Section B, Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (2): English 115, daily except Saturday, 9.40 a.m.

- 117-18 *Creative Writing* (3-3) Bement
 Open to students with the consent of the instructor, after submitting a specimen of original composition. Prerequisite: three years of writing, or equivalent experience. Thursday, 7.10 p.m.

- 119-20 *Journalism* (3-3) Chace
 Monday, Wednesday, and Friday, 5.10 p.m.

- 121 *Proof-reading* (3)
 Prerequisite: English 1-2 or 9-10. Monday, Wednesday, and Friday, 6.10 p.m. (Not given 1931-32.)

- 122 *Book-editing* (3)
 Prerequisite: English 121. Monday, Wednesday, and Friday, 6.10 p.m. (Not given 1931-32.)

- †125-26 *Anglo-Saxon Grammar and Literature* (3-3) Sehrt
 (Not given 1931-32.)

- 127-28 *Middle English and Chaucer* (3-3) Baker
 Prerequisite: English 51-52 or 91-92. Monday, Wednesday, and Friday, 10.10 a.m.

- 129-30 *Renaissance and Elizabethan Literature* (3-3) Cooper
 Prerequisite: English 51-52 or 91-92. Monday, Wednesday, and Friday, 9.10 a.m.

- 135-36 *Shakespeare* (3-3) Wilbur
First semester, the comedies; second semester, the tragedies.
Prerequisite: English 51-52 or 91-92. Monday, Wednesday,
and Friday, 6.10 p.m.
- S139 *Milton's "Paradise Lost"* (2) Wilbur
Prerequisite: English 51-52 or 91-92. Summer Sessions 1931:
daily except Saturday, 4.10 p.m.
- 139-40 *Seventeenth-century Literature* (3-3) Baker
Prerequisite: English 51-52 or 91-92. Monday, Wednesday,
and Friday, 11.10 a.m.
- 141-42 *The Neo-classical Movement* (3-3) Croissant
Prerequisite: English 51-52 or 91-92. Tuesday, Thursday,
and Saturday, 10.10 a.m. Summer Sessions 1931 (3): English
141, daily except Saturday, 5.10 p.m.
- 151-52 *The Romantic Movement* (3-3) Smith
Prerequisite: English 51-52 or 91-92. Tuesday, Thursday,
and Saturday, 6.10 p.m. Summer Sessions 1931 (3): English
152, daily except Saturday, 6.10 p.m.
- 155 *Wordsworth's "The Prelude"* (3) Wilbur
Prerequisite: English 51-52 or 91-92. Monday, Wednesday,
and Friday, 10.10 a.m.
- 161-62 *Victorian Literature* (3-3) Shepard
Prerequisite: English 51-52 or 91-92. Tuesday, Thursday,
and Saturday, 11.10 a.m.
- 164 *Browning's "The Ring and the Book"* (3) Wilbur
Prerequisite: English 51-52 or 91-92. Monday, Wednesday,
and Friday, 10.10 a.m.
- 165-66 *Contemporary Literature* (3-3) Baker
Prerequisite: English 51-52 or 91-92. Tuesday, Thursday,
and Saturday, 9.10 a.m.
- 171-72 *Survey of American Literature* (3-3) Bolwell
Not open to graduate students. Prerequisite: English 51-52
or the equivalent. Monday, Wednesday, and Friday, 5.10
p.m.
- 175 *The American Drama* (3) Bolwell
Prerequisite: English 51-52 or 91-92. Monday, Wednesday,
and Friday, 11.10 a.m.

- 176 *The American Novel* (3) Bolwell
Prerequisite: English 51-52 or 91-92. Monday, Wednesday,
and Friday, 11.10 a.m.
- 180 *Fiction since 1890* (2) Bement
Prerequisite: English 51-52 or 91-92. Summer Sessions 1931:
daily except Saturday, 11.40 a.m.
- 181-82 *The Novel* (3-3) Cooper
Prerequisite: English 51-52 or 91-92. Monday, Wednesday,
and Friday, 10.10 a.m.
- 183-84 *The English Drama* (3-3) Croissant
Prerequisite: English 51-52 or 91-92. Tuesday, Thursday,
and Saturday, 5.10 p.m.
- 193 *The Appreciation of Literature* (3) Croissant
An elementary course in the criticism and principles of
literature. Prerequisite: English 51-52 or 91-92. Tuesday,
Thursday, and Saturday, 11.10 a.m.

THIRD GROUP

- †229-30 *Studies in Elizabethan Literature* (3-3) Cooper
Prerequisite: English 129-30. Tuesday evening; hour to be
arranged.
- †241-42 *Studies in Neo-classical Literature* (3-3) Croissant
Prerequisite: English 141-42. Wednesday evening; hour to be
arranged. Summer Sessions 1931 (3): English 241, Tuesday
and Thursday, 8.00 p.m.
- †251-52 *Studies in the Romantic Movement* (3-3) Smith
Prerequisite: English 151-52. Monday evening; hour to be
arranged.
- 269-70 *Early American Literature* (3-3) Bolwell
Monday, Wednesday, and Friday, 5.10 p.m. (Not given
1931-32.)
- †271-72 *Studies in American Literature* (3-3) Bolwell
Prerequisite: English 171-72 or 269-70. Friday evening;
hour to be arranged. Summer Sessions 1931 (3): English 272,
Monday, Wednesday, and Friday, 5.10 p.m.

GEOLOGY AND GEOGRAPHY

Ray Smith Bassler, Ph.D., *Professor of Geology, Executive Officer.*

Charles Elmer Resser, Ph.D., *Lecturer in Geography.*

Thomas Fredrik Weybye Barth, Ph.D., *Lecturer in Geology.*

Edward Porter Henderson, M.S., *Associate in Geology.*

Alden Hayes Emery, A.M., *Associate in Geology.*

Minimum requirements for the major: twenty-four semester-hours in Geology above the introductory course.

GEOLOGY

FIRST GROUP

11-12 *Mineralogy* (3-3) Henderson
Descriptive and determinative. Lectures and laboratory.
Prerequisite: Chemistry 3-4 or 5-6. Material fee, \$6.00 a semester. Monday, Wednesday, and Friday, 6.10 p.m.
Summer Sessions 1931 (2-2): daily except Saturday, 7.40 a.m. (listed as Geology S1-2.)

21-22 *Physical and Historical Geology* (3-3) Bassler
Introductory to work in Geology. Lecture—Monday, Wednesday, and Friday, 6.10 p.m. Field work—hours to be arranged.
Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 7.00 p.m., for six weeks, with field and laboratory work to be arranged.

23-24 *Engineering Geology* (3-3) Henderson
Lectures—Monday, Wednesday, and Friday, 5.10 p.m. (Given in 1931-32 and alternate years.)

SECOND GROUP

111-112 *Economic Geology* (3-3) Henderson
Lectures and seminar work. Prerequisite: Geology 11-12. Monday, Wednesday, and Friday, 5.10 p.m. (Given in 1932-33 and alternate years.)

115-116 *Petrology* (3-3) Barth
Lectures and laboratory. Prerequisite: Geology 11-12 or the equivalent. Thursday, 7.10 to 9.30 p.m., and other hours to be arranged.

- 121-22 *Paleontology* (3-3) Bassler
Lectures, laboratory, and seminar. Prerequisite: Zoology 1-2 or the equivalent. Monday, 7.10 to 9.30 p.m., and other hours to be arranged. (Not given 1931-32.)
- 123-24 *Regional Geology of North and South America* (3-3) Bassler
Lecture and seminar work. Friday, 7.10 to 9.30 p.m., and other hours to be arranged. (Not given 1931-32.)
- 125-26 *Regional Geology of the Eastern Hemisphere* (3-3) Bassler
Lecture and seminar work. Friday, 7.10 to 9.30 p.m., and other hours to be arranged. (Given in 1930-31 and alternate years.)
- 127-28 *Stratigraphic Geology* (3-3) Bassler
Monday, 7.10 to 9.30 p.m., and other hours to be arranged. (Given in 1932-33 and alternate years.)

THIRD GROUP

- 215-16 *Geology Seminar* Bassler
Credits and hours to be arranged. Summer Sessions 1931: credits and hours to be arranged.
- 217-18 *Research* Bassler
Credits and hours to be arranged.

GEOGRAPHY

FIRST GROUP

- 5 *Geography* (3) Resser
Climate, biogeography, and physiography. Lecture and laboratory work. Monday, Wednesday, and Friday, 6.10 p.m.
- 8 *Geography of North America* (3) Resser
A regional study of the continent. Monday, Wednesday, and Friday, 6.10 p.m.

SECOND GROUP

- †111-12 *Human Geography* (3-3) Resser
An advanced course in the principles of Geography. Prerequisite: Geography 5. Monday, Wednesday, and Friday, 5.10 p.m.

GERMANIC LANGUAGES AND LITERATURE

Edward Henry Sehrt, Ph.D., *Professor of German, Executive Officer.*

Arthur Howard Hughes, Ph.D., *Assistant Professor of German.*

Theodore Roskam Jehne, A.M., *Instructor in German.*

Minimum requirements for the major: twenty-four semester-hours above the introductory course (1-2 or the equivalent).

FIRST GROUP

†1-2 *German* (3-3)

Hughes, Jehne

The essentials of German grammar, and translation of easy prose. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 2.10 p.m. Section C, Tuesday, Thursday, and Saturday, 9.10 a.m. Section D, Monday, Wednesday, and Friday, 5.10 p.m. Sections E and F, Monday, Wednesday, and Friday, 6.10 p.m. Section G, Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 7.00 p.m.

1X *German* (3)

Hughes, Jehne

Same as German 1, but given second semester. Monday, Wednesday, and Friday, 10.10 a.m.

2X *German* (3)

Hughes, Jehne

Same as German 2, but given first semester. Monday, Wednesday, and Friday, 10.10 a.m.

†5-6 *Second-year German* (3-3)

Hughes, Jehne

Selections from German prose and poetry; conversation and composition. Prerequisite: German 1-2. Section A, Monday, Wednesday, and Friday, 11.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m. Section C, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 7.00 p.m.

†9-10 *Scientific and Technical German* (3-3)

Hughes

Primarily for students in the scientific and engineering courses. Prerequisite: German 1-2. Monday, Wednesday, and Friday, 6.10 p.m.

†17-18 *Readings in Modern German Literature* (3-3)

Sehrt

Advanced prose composition. Prerequisite: German 5-6. Monday, Wednesday, and Friday, 6.10 p.m.

SECOND GROUP

- †101-2 *Goethe's "Faust"* (3-3) Seht
Monday, Wednesday, and Friday, 5.10 p.m. (Not given
1931-32.)

- 107-8 *Rapid Readings in Contemporary German Literature* (3-3) Seht
Private readings and reports. Monday, Wednesday, and
Friday, 5.10 p.m. (Not given 1931-32.)

- 109-10 *German Drama of the Nineteenth and Twentieth Centuries*
(3-3) Seht
Representative dramas of Kleist, Grillparzer, Hebbel, Haupt-
mann, and others. Monday, Wednesday, and Friday, 5.10
p.m. (Not given 1931-32.)

- †111-12 *The German Romantic Movement* (3-3) Seht
Monday, Wednesday, and Friday, 5.10 p.m. (Not given
1931-32.)

- †119-20 *Survey of German Literature* (3-3) Seht
Readings and reports. Tuesday, Thursday, and Saturday,
5.10 p.m.

- †125-26 *Anglo-Saxon Grammar and Literature* (3-3) Seht
Monday, Wednesday, and Friday, 4.10 p.m. See English
125-26. (Not given 1931-32.)

THIRD GROUP*

- †201-2 *Middle High German* (3-3) Seht
Introductory course. Hours to be arranged.

- †205-6 *Gothic* (3-3) Seht
Introduction to comparative Indo-European grammar. Hours
to be arranged.

- †209-10 *Old High German* (3-3) Seht
The development of the German language. Hours to be
arranged.

- 213-14 *Old Norse* (3-3) Seht
Introductory course. Hours to be arranged.

- 221 *Introduction to Linguistics* Seht
Open to students only with the consent of the instructor

* Not more than two of these courses will be given in 1931-32.

The purpose of this course is to furnish a general foundation for the scientific study of language. Credits to be arranged. Monday, Wednesday, and Friday, 7.10 p.m.

- 222 *Indo-European Languages* Michelson, Doyle, Seht
Application of the laws of sound-change to the more important Indo-European languages. Origin and development of suffixes and inflections. Syntax. Credits to be arranged. Monday, Wednesday, and Friday, 7.10 p.m.

- 223-24 *Sanskrit* (3-3) Seht
Advanced course. Selected hymns of the Rig Veda will be read. Hours to be arranged.

GRAPHIC ART

Albert Burnley Bibb, *Professor of the History of Art and Architecture.*

Samuel Burtis Baker, *Professorial Lecturer and Critic in Drawing and Painting.*

Eugen Weisz, *Lecturer and Critic in Graphic Art.*

Ethel Bray, A.M., *Lecturer in Graphic Art.*

Albert Nelson Davis, *Associate in Graphic Art.*

Minimum requirements for the major: see pages 223-25

FIRST GROUP

1-2 *Antique* (2-2)

Davis

Instruction from the antique in the elements of charcoal drawing, sketching, and anatomy. Drawing room fee, \$3.00 a semester. Section A, Thursday and Friday, 1.10 to 4.00 p.m. Section B, Thursday and Friday, 7.30 to 10.30 p.m.

3-4 *Advanced Antique* (2-2)

Davis

Instruction from the antique in advanced problems of light and shade, sketching, and anatomy. Prerequisite: Graphic Art 2. Drawing room fee, \$3.00 a semester. Section A, Thursday and Friday, 1.10 to 4.00 p.m. Section B, Thursday and Friday, 7.30 to 10.30 p.m.

5-6 *Pencil and Pen-and-ink Drawing* (1-1)

Davis

Outdoor sketching and drawing from photographs of architectural subjects and landscapes. Drawing room fee, \$3.00 a semester. Section A, Tuesday, 1.10 to 4.00 p.m. Section B, Monday, 7.30 to 10.30 p.m. Summer Sessions 1931 (2): daily except Saturday, section A, 8.40 to 11.00 a.m.; section B, 5.10 to 7.40 p.m.

7-8 *Water Color* (2-2)

Weisz

Still-life and outdoor sketching. Prerequisite: Graphic Art 2. Drawing room fee, \$3.00 a semester. Section A, Tuesday and Wednesday, 1.10 to 4.00 p.m. Section B, Monday and Wednesday, 7.30 to 10.30 p.m. Summer Sessions 1931 (2-2): Graphic Art 7 and 8, daily except Saturday, section A, 8.40 to 11.00 a.m.; section B, 5.10 to 7.40 p.m. (listed as Graphic Art S21 and S22).

- 11-12 *History of Sculpture and Painting* (2-2) Bibb
A comparative study of the development of art. Wednesday
and Friday, 5.10 p.m.
- 15-16 *Art Appreciation* (1-1) Bray
Fundamental elements and principles of art. Monday, 4.10
p.m.
- 25-26 *Illustration I* (3-3) Weisz
Problems in monochroic composition. Drawing room fee,
\$3.00 a semester. Section A, Tuesday, Thursday, and Friday,
1.10 to 4.00 p.m. Section B, Monday, Thursday, and Friday,
7.30 to 10.30 p.m.
- 27-28 *Illustration II* (6-6) Weisz
Monochroic and varicolored compositions. Drawing room
fee, \$6.00 a semester. Section A, daily, 9.10 a.m. to 12.00.
Section B, daily, 7.30 to 10.30 p.m.

SECOND GROUP

- 101-2 *Life Class* (2-2) Baker
Prerequisite: Graphic Art 4. Drawing room fee, \$3.00 a
semester. Section A, Monday and Wednesday, 1.10 to 4.00
p.m. Section B, Tuesday and Wednesday, 7.30 to 10.30 p.m.
- 103-4 *Advanced Life Class* (2-2) Baker
Prerequisite: Graphic Art 102. Drawing room fee, \$3.00 a
semester. Section A, Monday and Wednesday, 1.10 to 4.00
p.m. Section B, Tuesday and Wednesday, 7.30 to 10.30 p.m.
- 105 *Advanced Pencil and Pen-and-ink Drawing* (2) Davis
Prerequisite: Graphic Art 6. Drawing room fee, \$3.00.
Section A, Tuesday and Thursday, 1.10 to 4.00 p.m. Section
B, Monday and Wednesday, 7.30 to 10.30 p.m. Summer
Sessions 1931 (2): daily except Saturday, section A, 8.40 to
11.00 a.m.; section B, 5.10 to 7.40 p.m.
- 108 *Water Color* (2) Weisz
Sketching. Prerequisite: Graphic Art 8. Drawing room fee,
\$3.00. Section A, Tuesday and Thursday, 1.10 to 4.00 p.m.
Section B, Monday and Wednesday, 7.30 to 10.30 p.m.
Summer Sessions 1931 (2): daily except Saturday, section A,
8.40 to 11.00 a.m.; section B, 5.10 to 7.40 p.m. (listed as
Graphic Art S122).

125-26 *Illustration III (6-6)*

Weisz

The costumed model in illustration. Drawing room fee, \$6.00 a semester. Section A, daily, 9.10 a.m. to 12.00. Section B, Graphic Art 125, Monday, Tuesday, and Wednesday, 7.30 to 10.30 p.m.; Graphic Art 126, Monday, Thursday, and Friday, 7.30 to 10.30 p.m. Students with limited schedules may take Graphic Art 125 and 126 for two semesters each.

127-28 *Illustration IV (6-6)*

Weisz

Advanced illustration and poster design. Drawing room fee, \$6.00 a semester. Section A, daily, 9.10 a.m. to 12.00. Section B, Graphic Art 127 or 128, Monday, Thursday, and Friday, 7.30 to 10.30 p.m. Students with limited schedules may take Graphic Art 127 and 128 for two semesters each.

130 *Sketching in Oil (2)*

Weisz

Sketching and composition of landscape and architectural subjects. Summer Sessions 1931 (2): daily except Saturday, section A, 8.40 to 11.00 a.m.; section B, 5.10 to 7.40 p.m.

131-32 *Still-life Painting (2-2)*

Baker

Prerequisite: Graphic Art 8. Drawing room fee, \$3.00 a semester. Section A, Monday and Wednesday, 1.10 to 4.00 p.m. Section B, Tuesday and Wednesday, 7.30 to 10.30 p.m.

133-34 *Life Painting (2-2)*

Baker

Prerequisite: Graphic Art 102. Drawing room fee, \$3.00 a semester. Section A, Monday and Wednesday, 1.10 to 4.00 p.m. Section B, Tuesday and Wednesday, 7.30 to 10.30 p.m.

185-86 *Advanced Painting and Composition*

The Staff

Credits and hours to be arranged.

HEALTH ADMINISTRATION

Daniel LeRay Borden, A.M., M.D., *University Surgeon, Director.*

Frank Adelbert Hornaday, M.S., M.D., *University Physician.*

Harry Arnold Hull McNitt, A.M., M.D., *Associate University Physician.*

Robert Howe Harmon, A.B., M.D., *Associate University Physician.*

Katharine Antoinette Chapman, A.B., M.D., *Associate University Physician for Women.*

Francis George Speidel, M.D., *Associate University Physician.*

Jeter Carroll Bradley, M.D., *Associate University Physician.*

The payment of the University fee entitles students to health services herein after described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students.

Medical privileges include: (1) the physical examination of all students entering from secondary schools; (2) three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during a school term—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not include treatment for illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who have severed their connection with the University are ineligible for medical benefits; (4) students intending to train for athletic teams are required to pass a careful examination at the beginning of each semester; (5) the above regulations will apply during the Summer Sessions of the University.

1-2 *Personal Hygiene*

Chapman, Atwell

For women. A course designed to place before each student the ideal of a well-balanced program for daily living, based on the general physiological laws of personal hygiene. See "Physical Education for Women." Wednesday, 9-10, 10-10, or 11-10 a.m.

HISTORY

George Morton Churchill, Ph.D., *Professor of History.*

Samuel Flagg Bemis, Ph.D., *Professor of History, Executive Officer.*

Albert Bushnell Hart, Ph.D., LL.D., Litt.D., *Professorial Lecturer in History.*

Elmer Louis Kayser, A.M., *Associate Professor of History.*

Alva Curtis Wilgus, Ph.D., *Associate Professor of History.*

Lowell Joseph Ragatz, Ph.D., *Associate Professor of History.*

Carlton Coke Rister, Ph.D., *Visiting Associate Professor of History.*

Minimum requirements for the major: History 1-2; 23-24; 37-38; plus two second- or third-group courses, one of which must be a pro-seminar.

FIRST GROUP

1-2 *American History* (3-3)

Bemis, Wilgus

A general introductory course in the history of the American Colonies and of the United States. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m. Summer Sessions 1931 (3): History 1, daily except Saturday, 5.10 p.m.

23-24 *The Civilization of the Ancient World and of the Middle Ages* (3-3)

Kayser

A study of the ancient Near East, Greece and Rome, and Europe to the year 1500. Section A, Tuesday, Thursday, and Saturday, 9.10 a.m. Section B, Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (3-3): History 23, daily except Saturday, 5.10 p.m.; History 24, daily except Saturday, 6.10 p.m.

37-38 *Modern European History* (3-3)

Ragatz, Rister

The development of Western civilization from the age of exploration to the present day. Primarily for freshmen. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (3): History 37, daily except Saturday, 5.10 p.m.

SECOND GROUP

101-2 *American Constitutional History* (3-3)

Churchill

The origins and development of the Constitution of the United

- States. Advised for prelegal students. Prerequisite: History 1-2 or the equivalent. (Not given 1931-32.)
- 103-4 *History of the West* (3-3) Churchill
(Not given 1931-32.)
- †105-6 *History of the Foreign Relations of the United States* (3-3) Bemis
Prerequisite: History 1-2 or the equivalent. Monday, Wednesday, and Friday, 7.45 a.m.
- 120 *George Washington and His Times* Hart
Summer Sessions 1931: credits and hours to be arranged.
- 139-40 *The Civilization of the Later Middle Ages* (3-3) Kayser
Prerequisite: a course in Medieval History. Tuesday, Thursday, and Saturday, 10.10 a.m.
- 141-42 *History of Modern Colonization* (3-3) Ragatz
The opening up of the New World and Africa, Asia, and Oceanica since 1450. Prerequisite: a course in Modern European History. Tuesday, Thursday, and Saturday, 9.10 a.m.
- 143 *Modern Imperialism* (3) Ragatz
Prerequisite: a course in Modern European History. (Not given 1931-32.)
- 144 *Economic History of Modern Europe* (3) Ragatz, Rister
Prerequisite: a course in Modern European History. (Not given 1931-32.) Summer Sessions 1931 (3): daily except Saturday, 7.40 a.m.
- 145-46 *Intellectual Aspects of the Renaissance and Reformation* (3-3) Kayser
Prerequisite: a course in General European History. (Not given 1931-32.) Summer Sessions 1931 (2): History 145, daily except Saturday, 10.40 a.m.
- 147-48 *Europe since 1815* (3-3) Ragatz
Prerequisite: a course in Modern European History. (Not given 1931-32.)
- 150 *Europe since 1914* (3) Ragatz, Rister
(Not given 1931-32.) Summer Sessions 1931 (2): daily except Saturday, 9.40 a.m.
- 151-52 *English History* (3-3) Churchill
A survey. Section A, Tuesday, Thursday, and Saturday, 11.10 a.m. Section B, Monday, Wednesday, and Friday,

5.10 p.m. Summer Sessions 1931 (3): History 151, daily except Saturday, 5.10 p.m.

- 153-54 *English Constitutional History* (3-3) Churchill
The development of the English Constitution in its historical setting. Advised for prelegal students. Monday, Wednesday, and Friday, 6.10 p.m.

- 155 *British Empire and the Dominions* (2) Churchill
Summer Sessions 1931: daily except Saturday, 6.10 p.m.

- 159-60 *The History of France* (3-3) Ragatz
Political, social, and cultural development of the country from the Roman conquest to the Treaty of Versailles. Prerequisite: a course in Modern European History. (Not given 1931-32.)

- 163 *The French Revolution and the Napoleonic Era* (3) Ragatz
The important transitions—political, social, economic, and cultural—occurring in Europe from 1715 to 1815. Prerequisite: a course in Modern European History. Monday, Wednesday, and Friday, 5.10 p.m.

- 164 *French Civilization in the Nineteenth and Twentieth Centuries* (3) Ragatz
Political, social, economic, and cultural history of France from 1815 to the present day. Monday, Wednesday, and Friday, 5.10 p.m.

- 175-76 *Hispanic-American History* (3-3) Wilgus
Colonial Latin-America and the development of the principal Latin-American republics. Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (3): History 176, daily except Saturday, 6.10 p.m.

THIRD GROUP

- 201-2 *Pro-seminar in History and Historians* (3-3) Churchill
(Not given 1931-32.)

- †203-4 *Pro-seminar in the Problems of Washington's Presidency* (3-3) Bemis
Friday, 8.10 p.m.

- 205-6 *Pro-seminar in European History; the Historical Significance of Nationalism* (3-3) Kayser
Wednesday, 8.10 p.m.

- 207-8 *Pro-seminar in English History; The Puritan Revolution* Churchill
(3-3)
Hours to be arranged. Summer Sessions 1931 (3): History 207,
Monday and Thursday, 7.30 p.m. (listed as History S260).
- 209-10 *Pro-seminar in Inter-American Relations* (3-3) Wilgus
Period, 1808-24. Prerequisite: History 175-76 or the equivalent.
Tuesday and Thursday, 6.10 p.m.
- 219-20 *Seminar in Hispanic-American History* (3-3) Wilgus
Prerequisites: History 175-76 or the equivalent, and a reading
knowledge of Spanish or Portuguese. French is also desirable.
Monday, 7.30 p.m.
- 221-22 *Seminar in the Diplomatic History of the United States* Remis
Intensive research in the sources of some one period of American
diplomacy. A reading knowledge of French is necessary, and of
Spanish and German desirable, as well as a solid knowledge of
the history of the United States and of Europe in general.
Credits and hours to be arranged.

HOME ECONOMICS

Frances Kirkpatrick, A.M., *Assistant Professor of Home Economics, Executive Officer.*

Grace Powers Hudson, M.S., *Lecturer in Home Economics.*

Kathryn Mildred Towne, A.M., *Instructor in Home Economics.*

Gladys Christine Haldeman, B.S., *Associate in Home Economics.*

Minimum requirements for the major: see pages 192-94

FIRST GROUP

- 1 *Food Selection* (3) Kirkpatrick
Study of composition and nutrition value of food, to furnish basis for intelligent food choice. Monday, Wednesday, and Friday, 5.10 p.m.
- 1X *Food Selection* (3) Kirkpatrick
Same as Home Economics 1, but given second semester. Monday, Wednesday, and Friday, 9.10 a.m.
- 3 *Food Preparation* (3) Haldeman
Laboratory work in food preparation. (Must be accompanied or preceded by Home Economics 1 or 1X.) Material fee, \$9.00. Tuesday and Thursday, 5.10 to 8.00 p.m.
- 3X *Food Preparation* (3) Kirkpatrick
Same as Home Economics 3, but given second semester. Material fee, \$9.00. Monday and Wednesday, 1.10 to 4.00 p.m.
- 21 *Clothing Selection* (3) Towne
Application of the principles of art, hygiene, and design to clothing selection; care of the wardrobe; clothing costs and budget for different income levels. Monday, Wednesday, and Friday, 9.10 a.m.
- 21X *Clothing Selection* (3) Towne
Same as Home Economics 21, but given second semester. Monday, Wednesday, and Friday, 5.10 p.m.
- 23 *Clothing Construction* (3) Towne
Construction of wardrobe articles based on needs revealed through inventory. (Must be preceded or accompanied by

Home Economics 21 or 21X.) Material fee, \$3.00. Monday and Wednesday, 1.10 to 4.00 p.m.

23X *Clothing Construction* (3) Haldeman
Same as Home Economics 23, but given second semester. Material fee, \$3.00. Tuesday and Thursday, 5.10 to 8.00 p.m.

51 *Food Problems of the Household* (3) Haldeman
Planning of meals to meet family needs at different economic levels; food budgets and market orders; marketing; preparation and service of typical meals; food preservation. Material fee, \$3.00. Lectures—Monday and Wednesday, 11.10 a.m. Laboratory—Friday, 11.10 a.m. to 1.00 p.m.

51X *Food Problems of the Household* (3) Haldeman
Same as Home Economics 51, but given second semester. Material fee, \$3.00. Lectures—Monday and Wednesday, 6.10 p.m. Laboratory—Friday, 6.30 to 8.30 p.m.

72 *Textiles* (3) Towne
Manufacture of cotton, wool, linen, and silks; tests for adulteration; history; selection and purchase of textile furnishing and wardrobe materials. Material fee, \$3.00. Lecture—Monday, 3.10 p.m. Laboratory—Wednesday and Friday, 2.10 to 4.00 p.m.

91 *Household Problems* (3) Hudson
An introductory course, planned to give the students a general insight into the field of Home Economics through a study of the social and economic problems of the modern home. Monday, Wednesday, and Friday, 5.10 p.m.

SECOND GROUP

101 *Experimental Cookery* (3) Kirkpatrick
Prerequisite: Home Economics 1 and 3 or 1X and 3X. Analysis of problems of food preparation; application of principles of physics; chemistry, and biology. Material fee, \$9.00. Tuesday and Thursday, 10.10 a.m. to 1.00 p.m.

102 *Lunch-room Management* (3) Kirkpatrick
A study of the problems underlying the management of the high-school lunch-room, including the purchasing and arrangement of equipment; menu-making; buying, storage, and preparation of foods. Material fee, \$9.00. Tuesday and Thursday, 10.10 a.m. to 1.00 p.m.

- 103-4 *Special Problems in Food Preparation* (2-2) The Staff
A limited number of students will be given the opportunity to work on special problems in laboratories of the Bureau of Home Economics. Hours to be arranged.
- 109-10 *Child Development* (2-2) Hudson
See Education 109-10.
- 121 *Costume Design* (3) Towne
Study of fine-art principles applied to dress; application of corrective measure; designing costumes on the lay figure. Section A, lecture—Monday, 11.10 a.m.; laboratory—Wednesday and Friday, 11.10 a.m. to 1.00 p.m. Section B, lecture—Monday, 6.10 p.m.; laboratory—Wednesday and Friday, 6.30 to 8.30 p.m.
- 126 *Teaching of Home Economics* (3) Kirkpatrick
See Education 126.
- 140 *Advance Dress Design and Construction* (3) Towne
Prerequisite: Home Economics 121. Designing and draping costumes on forms; working out original designs. Material fee, \$3.00. Tuesday and Thursday, 1.10 to 4.00 p.m.
- 151 *Nutrition* (3) Kirkpatrick
Prerequisite: Home Economics 1 and 3 or 1X and 3X; Chemistry 3-4 or 5-6 and 51-52. A study of the principles of nutrition, digestion, and metabolism. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 6.10 p.m.
- 152 *Dietetics* (3) Kirkpatrick
Prerequisite: Home Economics 151. A study of the normal food requirements, considering the individual; and planning diets for normal and special occasions. Material fee, \$3.00. Lectures—Monday and Wednesday, 10.10 a.m. Laboratory—Friday, 10.10 a.m. to 12.00.
- 160 *Special Problems in Clothing and Textiles* (3) Towne
Prerequisites: Home Economics 21, 23, 72, 121. Concerned with hygienic, economic, or esthetic phases of clothing or textiles according to individual interests and needs. Material fee, \$3.00. Tuesday and Thursday, 9.10 a.m. to 12.00.
- 171 *House Furnishing* (3) Towne
Application of principles of color and design to house furnishing; period furniture; household textiles; pictures and decorative

objects; selection, arrangement, and cost of furnishing. Material fee, \$3.00. Tuesday and Thursday, 1.10 to 4.00 p.m.

192 *Home Management* (3)

Hudson

Study of management of time and income in the home, with special emphasis upon selection of the house and equipment on the basis of ease of care and sanitation. Monday, Wednesday, and Friday, 5.10 p.m.

THIRD GROUP

201-2 *Research Problems* Staff of the Bureau of Home Economics
Research problems in food preparation and utilization. Credits and hours to be arranged.

211-12 *Research in Nutrition* Staff of the Bureau of Home Economics
Research in nutrition, with experiments in handling animal-feeding problems. Credits and hours to be arranged.

219-20 *Seminar* (3-3)

Kirkpatrick, Towne

The most recent work in various lines of Home Economics will be reviewed and discussed. Wednesday, 7.10 to 9.00 p.m.

221-22 *Research Problems* Staff of the Bureau of Home Economics
Research problems in textile and clothing construction. Credits and hours to be arranged.

LAW

- Walter Collins Clephane, LL.M., *Professor of Law.*
 Edwin Charles Brandenburg, LL.M., *Professor of Law.*
 John Paul Earnest, A.M., LL.M., *Professor of Law.*
 John Wilmer Latimer, LL.B., *Professor of Law.*
 William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law, Executive Officer.*
 *Charles Sager Collier, A.B., LL.B., *Professor of Law.*
 Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law.*
 Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law.*
 Herschel Whitfield Arant, A.M., LL.B., LL.D., *Visiting Professor of Law.*
 Joseph Winston Cox, LL.B., *Professorial Lecturer in Law.*
 Loyd Hall Sutton, B.S., LL.B., *Associate Professor of Law.*
 William Armstrong Hunter, A.B., LL.M., *Associate Professor of Law.*
 William Thomas Fryer, A.B., LL.B., J.D., *Associate Professor of Law.*
 Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Associate Professor of Law.*
 Carville Dickinson Benson, jr., A.B., LL.B., S.J.D., *Assistant Professor of Law.*
 James Forrester Davison, A.B., LL.M., S.J.D., *Assistant Professor of Law.*
 Levi Russell Alden, A.M., LL.B., *Lecturer in Law.*
 Gilbert Lewis Hall, A.B., LL.B., *Lecturer in Law.*
 Clarence Altha Miller, LL.M., *Lecturer in Law.*
 Ralph Hoskins Hudson, Graduate U. S. Naval Academy, LL.B., *Lecturer in Law.*
 James Oliver Murdock, Ph.B., LL.B., *Lecturer in Law.*
 John Monteith McFall, A.M., LL.B., *Lecturer in Law.*
 John Albert McIntire, A.B., LL.B., *Instructor in Law.*
 Frederick Charles O'Connell, LL.M., *Associate in Law and Clerk of the Moot Court.*

MOOT COURT OF APPEALS

- Leon Tobriner, LL.B., *Chief Justice.*
 Brainard Warner Parker, LL.B., *Associate Justice.*
 Reginald Shippen Huidekoper, A.B., *Associate Justice.*

* On sabbatical leave 1931-32.

Minimum requirements for the degrees: see pages 163-64

FIRST-YEAR SUBJECTS

- 101-2 *Agency* (2-2) McIntire
Mechem's Cases on Agency (2d ed., by Seavey). Section A, Monday and Wednesday, 12.10 p.m.
- 111-12 *Contracts* (4-3) Moll, Davison, McIntire
Williston's Cases on Contracts (3d ed.). First semester—section A, Monday, 11.10 a.m., Wednesday, 9.10 a.m., and Thursday and Friday, 12.10 p.m.; section B, Wednesday and Thursday, 5.10 and 6.10 p.m.; section C, Tuesday and Thursday, 5.10 and 6.10 p.m. Second semester—section A, Wednesday, 9.10 a.m., and Thursday and Friday, 12.10 p.m.; section B, Wednesday, 5.10 and 6.10 p.m., and Thursday, 5.10 p.m.; section C, Tuesday, 5.10 and 6.10 p.m., and Thursday, 6.10 p.m.; special, Monday, Tuesday, and Wednesday, 5.10 and 6.10 p.m., and Thursday, 6.10 p.m.
- 124 *Criminal Law and Procedure* (3) Earnest, Hunter
Mikell's Cases on Criminal Law and Procedure. Section A, Monday, Thursday, and Friday, 11.10 a.m. Section B, Monday, 5.10 and 6.10 p.m., and Thursday, 6.10 p.m. Section C, Friday, 5.10 and 6.10 p.m., and Thursday, 5.10 p.m.
- 133-34 *Personal Property* (2-2) Fryer
Bigelow's Cases on Personal Property (2d ed., 1931) and Morgan's Introduction to the Study of Law. Supplement containing cases and materials on property and remedies. Section A, Monday and Tuesday, 9.10 a.m. Section B, Tuesday, 5.10 and 6.10 p.m. Section C, Monday, 5.10 and 6.10 p.m. Summer Sessions 1931 (4): first term, daily except Saturday, 5.10 and 6.10 p.m.
- 137-38 *Real Property I* (2-2) Benson
Section A, Thursday and Friday, 9.10 a.m. Section B, Wednesday, 5.10 and 6.10 p.m. Section C, Tuesday, 5.10 and 6.10 p.m.
- 141-42 *Torts* (4-2) Hunter, Hall
Wilson's Cases on Torts. First semester—section A, Tuesday, Wednesday, Thursday, and Friday, 11.10 a.m.; section B, Tuesday, and Friday, 5.10 and 6.10 p.m.; section C, Wednesday and Friday, 5.10 and 6.10 p.m. Second semester—section

A, Tuesday and Wednesday, 11.10 a.m.; section B, Friday, 5.10 and 6.10 p.m.; section C, Wednesday, 5.10 and 6.10 p.m. Summer Sessions 1931 (4): second term, daily except Saturday, 5.10 and 6.10 p.m.

SECOND-YEAR SUBJECTS

- 163-64 *Bills and Notes* (2-2) Oppenheim
 Britton's Cases on Bills and Notes. Section A, Monday and Wednesday, 12.10 p.m. Section B, Monday, 5.10 and 6.10 p.m. Summer Sessions 1931 (4): first term, daily except Saturday, 5.10 and 6.10 p.m.
- 167-68 *Civil Procedure* (2-2) Clephane, Hunter
 Section A, Sunderland's Cases on Common Law Pleading and Keigwin's Cases on Equity Pleading, Thursday, 10.10 a.m., and Friday, 9.10 a.m. Section B, Shipman on Common Law Pleading and Clephane on Equity Pleading, Tuesday, 5.10 and 6.10 p.m. Section C, Sunderland's Cases on Common Law Pleading and Keigwin's Cases on Equity Pleading, Thursday, 5.10 and 6.10 p.m.
- 169 *Damages* (2)
 (Not given 1931-32.)
- 170 *Domestic Relations* (2) Moll
 Summer Sessions 1931: first term, Woodruff's Cases on Domestic Relations, Tuesday and Friday, 5.10 and 6.10 p.m., and Wednesday, 6.10 p.m.
- 171-72 *Equity II* (2-2) Spaulding
 Ames's Cases on Equity Jurisprudence, vol. I. Section A, Thursday and Friday, 12.10 p.m. Section B, Friday, 5.10 and 6.10 p.m. Section C, Monday, 5.10 and 6.10 p.m.
- 177-78 *Evidence* (2-2) Latimer, Fryer
 Hinton's Cases on Evidence (2d ed., 1931). Section A, Wednesday and Thursday, 9.10 a.m. Section B, Monday, 5.10 and 6.10 p.m. Section C, Wednesday, 5.10 and 6.10 p.m.
- 179 *Insurance* (2) McFall
 Wambaugh's Cases on Insurance. Saturday, 5.10 and 6.10 p.m.
- 184 *Mortgages* (2) Fryer
 Campbell's Cases on Mortgages. Monday and Tuesday, 10.10 a.m.

- 185 *Quasi-contracts* (2) Moll
 Thurston's Cases on Quasi-contracts. Summer Sessions 1931:
 first term, Monday and Thursday, 5.10 and 6.10 p.m., and
 Wednesday, 5.10 p.m.
Real Property I (2-2) Benson
 See Law 137-38, sections B and C.
- 187-88 *Real Property II* (2-2) Benson
 Aigler's Cases on Titles. Section A, Monday and Tuesday,
 9.10 a.m. Section B, Thursday, 5.10 and 6.10 p.m.
- *Real Property III* (2) Moll
 See Law 296, section A.
- 191-92 *Sales* (2-2) Oppenheim
 Williston's Cases on Sales (3d ed.). Section A, Wednesday and
 Friday, 10.10 a.m. Section B, Thursday, 5.10 and 6.10 p.m.
 Section C, Friday, 5.10 and 6.10 p.m.
- 197 *Water Rights* (2)
 (Not given 1931-32.)

THIRD- AND FOURTH-YEAR SUBJECTS

- 208 *Administrative Law* (2) Davison
 Frankfurter and Davison's Cases on Administrative Law.
 Monday, 5.10 and 6.10 p.m.
- 217 *Admiralty* (2) Alden
 Lord and Sprague's Cases on Admiralty, and assigned readings.
 Friday, 5.10 and 6.10 p.m.
- 220 *Bankruptcy* (2) Brandenburg
 The Bankruptcy Act (with revision of 1930). Tuesday,
 5.10 and 6.10 p.m.
Bills and Notes (2-2) Oppenheim
 See Law 163-64, sections B and C.
- 221-22 *Conflict of Laws* (2-2) Van Vleck
 Beale's Cases (2d ed.). Section A, Thursday, 10.10 and
 11.10 a.m. Section B, Thursday, 5.10 and 6.10 p.m.
- 251-52 *Constitutional Law* (2-2) Spaulding
 Section A, Monday and Tuesday, 11.10 a.m. Section B, Tues-
 day, 5.10 and 6.10 p.m.
- 257-58 *Corporations* (2-2) Davison
 Warren's Cases on Corporations, and Warren and Dodds'
 Supplement to Warren's Cases. Section A, Wednesday and

Friday, 11.10 a.m. Section B, Friday, 5.10 and 6.10 p.m.
Summer Sessions 1931 (4): second term, daily except Saturday,
5.10 and 6.10 p.m.

271 *Equity III* (2) Spaulding
Ames's Cases on Equity Jurisprudence, vol. II, and Chafee's
Cases on Equitable Relief against Torts. Wednesday, 5.10 and
6.10 p.m.

273 *Federal Procedure* (2) Brandenburg
Hopkins's Judicial Code (3d ed.). Tuesday, 5.10 and 6.10 p.m.

275-76 *International Law* (2-2) * Murdock
Hudson's Cases on International Law. Thursday, 5.10 and
6.10 p.m.

277 *Labor Law* (2) Spaulding
Sayre's Cases on Labor Law. Summer Sessions 1931: daily
except Monday, 7.45 a.m. (listed as Law S281).

279 *Legal Bibliography and Brief-making* (1) Miller
Monday, 6.10 p.m.

280 *Legal History* (2) Benson
Plucknett, A Concise History of English Law. Friday, 5.10
and 6.10 p.m.

282 *Legislation*
Saturday, 5.10 and 6.10 p.m.

283-84 *Moot Court* (2-2) Clephane, Earnest, Cox
Prerequisites: Law 167-68, Civil Procedure, and Law 177-78,
Evidence. Section A, Saturday, 9.10 and 10.10 a.m. Section
B, Wednesday, 5.10 and 6.10 p.m.

286 *Mortgages* (2) Fryer
Campbell's Cases on Mortgages. Monday and Tuesday,
10.10 a.m.

287 *Municipal Corporations* (2) Arant
Macy's Cases on Municipal Corporations. Summer Sessions
1931; second term, Tuesday and Friday, 5.10 and 6.10 p.m.,
and Wednesday, 6.10 p.m.

289 *Organization of Corporations* (1) Clephane
Clephane on Organization and Management of Corporations.
Monday, 5.10 p.m.

290 *Partnership* (2)
(Not given 1931-32.)

- 291-92 *Patent Law* (2-2) Sutton
First semester—Substantive Patent Law, Monday, 5.10 and 6.10 p.m. Second semester—Patent Office Practice, Monday, 5.10 and 6.10 p.m.
- 293-94 *Patent Moot Court* (2-2) Hudson
Wednesday, 5.10 and 6.10 p.m. This course may be elected instead of 281-82, to satisfy the Moot Court requirements. Both subjects may not be counted toward a degree.
- 295 *Public Utilities* (2) Davison
Monday, 5.10 and 6.10 p.m.
- 296 *Real Property III* (2) Moll
Case book to be announced. Section A, Monday and Tuesday, 10.10 a.m. Section B, Tuesday, 5.10 and 6.10 p.m.
- 299-300 *Sales* (2-2) Oppenheim
Williston's Cases (3d ed.). Section A, Wednesday and Friday, 10.10 a.m. Section B, Thursday, 5.10 and 6.10 p.m. Section C, Friday, 5.10 and 6.10 p.m.
- 302 *Suretyship* (2) Arant
Arant's Cases on Suretyship. Summer Sessions 1931: Monday and Thursday, 5.10 and 6.10 p.m., and Wednesday, 5.10 p.m.
- 303 *Taxation* (2)
(Not given 1931-32.)
- 304 *Trade Regulation* (2) Oppenheim
Wednesday, 5.10 and 6.10 p.m.
- 305-6 *Trusts* (2-2) Moll
Scott's Cases on Trusts (2d ed.). Friday, 5.10 and 6.10 p.m.
- 307 *Wills* (2) Moll, Benson
Case book to be announced. Tuesday, 5.10 and 6.10 p.m. Summer Sessions 1931 (4): Mechem and Atkinson's Cases on Wills and Administration. Second term—daily except Saturday, 5.10 and 6.10 p.m.

LIBRARY SCIENCE

- *Alfred Francis William Schmidt, A.M., *Professor of Library Science.*
 George Franklin Bowerman, A.B., B.L.S., L.H.D., *Professorial Lecturer in Library Science.*
 Ernest Cushing Richardson, Ph.D., *Professorial Lecturer in Library Science.*
 Charles Martel, *Professorial Lecturer in Library Science.*
 Elizabeth Adams Lathrop, A.B., *Assistant Professor of Library Science, Executive Officer.*
 Claribel Ruth Barnett, Ph.B., B.L.S., *Lecturer in Library Science.*
 Clara Wells Herbert, *Lecturer in Library Science.*
 Elizabeth Orlan Cullen, M.S., *Lecturer in Library Science.*
 Ernest Kletsch, *Lecturer in Library Science.*
 Belknap Severance, A.B., *Associate in Library Science.*

Minimum requirements for the degree: see page 215

SECOND GROUP

101-2 *Cataloguing* (3-3)

Lathrop

The principles of cataloguing, with special attention to Library of Congress rules. Prerequisite: French or German. A selected group may do their practice work at the Public Library. Material fee, \$3.00 a semester. Section A, Tuesday, Thursday, and Saturday, 10.10 a.m. to 12.00. Section B, Tuesday, Thursday, and Saturday, 6.10 to 8.00 p.m. Summer Sessions 1931 (3): Library Science 101, daily except Saturday, 5.10 p.m.

121-22 *Classification* (3-3)

Severance

The study of the leading systems and their distinguishing characteristics, actual classification according to the Dewey, Cutter, and Library of Congress schemes, with accompanying practice in shelf-listing and book notation. Prerequisite: Library Science 101-2 or the equivalent in library experience. Material fee, \$3.00 a semester. Monday, Wednesday, and Friday, 6.10 p.m. Summer Sessions 1931 (3): Library Science 122, daily except Saturday, 6.10 p.m.

* On sabbatical leave 1931-32.

- 131 *Library History, Organization, and Administration* (3) Severance
The development of the world's most important libraries, their organization and administration. Prerequisite: Library Science 101-2, 121-22, or the equivalent in library experience. Monday, Wednesday, and Friday, 5.10 p.m.
- 132 *Reference and Bibliography* (3) Severance
The study and use of reference books, the preparation of bibliographies in conjunction with the instructional work of the University, and supervised service in the University Library. Prerequisite: Library Science 131 or the equivalent in library experience. Monday, Wednesday, and Friday, 5.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 7.10 p.m.
- 133-34 *Book Evaluation and Selection* (3-3) Lathrop
Study of the principles of book evaluation in all the different classes, with required reading in each field; the selection of books for different types of readers, book annotation, criticism, and reviews; a study of editions and the aids in book selection. Prerequisite: Library Science 131-32 or the equivalent in library experience. Material fee, \$3.00 a semester. Tuesday, Thursday, and Saturday, 5.10 p.m. (Not given 1931-32.)
- 135 *Children's Literature and Library Work with Children* (3) Lathrop
Reading and reviewing the best books for children in each of the different classes; the methods and aims of library work with children; and the administration of the children's room. Prerequisite: Library Science 131-32 or the equivalent in library experience. Material fee, \$3.00. Tuesday, Thursday, and Saturday, 5.10 p.m.
- 136 *Library Extension, Publicity, and Community Service* (3) Lathrop
Includes the fundamental principles of administration and routine of the public library; the different methods of library extension, including the county library, adult education, and other forms of community service; methods of library publicity. Prerequisite: Library Science 131-32 or the equivalent in library experience. Material fee, \$3.00. Tuesday, Thursday, and Saturday, 5.10 p.m.
- 138 *School Libraries* (3) Lathrop
The organization, administration, and function of the different types of school libraries and the problems common to all; instruction of students in the use of the library; equipment, standards, and methods in general. Prerequisite: Library Science 131-32 or the equivalent in library experience. Summer Sessions 1931 (3): daily except Saturday, 7.40 a.m.

THIRD GROUP

- 211-12 *Special Libraries* (3-3) Barnett, Cullen, and Staff
Hours and places of meeting to be arranged.
- 221-22 *Special Problems in Public Library Administration and Service* (3-3) Bowerman, Herbert, and Staff
To be conducted at the Public Library. Hours to be arranged.
- 245-46 *Seminar* (3-3) Richardson, Martel, and Staff
Special problems: the history of the book; paleography; the cataloguing and classification of manuscripts, incunabula, and earliest printed books; care and treatment of documents, maps, music, etc.; legislative reference; methodology of research. Conducted at the Library of Congress. Tuesday, 7.00 to 9.00 p.m.

MATHEMATICS

John Thomas Erwin, A.M., *Professor of Mathematics.*
 James Henry Taylor, Ph.D., *Professor of Mathematics, Executive Officer.*
 Harry Grant Hodgkins, A.B., *Associate Professor of Mathematics.*
 Frank Mark Weida, Ph.D., *Associate Professor of Mathematics.*
 Francis Edgar Johnston, Ph.D., *Associate Professor of Mathematics.*
 Florence Marie Mears, Ph.D., *Assistant Professor of Mathematics.*
 Edgar William Woolard, Ph.D., *Assistant Professor of Mathematics.*

Minimum requirements for the major: fifteen semester-hours above Calculus.*

FIRST GROUP

†1-2 *Descriptive Astronomy* (3-3)
 (Not given 1931-32.)

3 *College Algebra* (3)

The Staff

For students presenting less than two entrance units in Algebra. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 10.10 a.m. Section C, Monday, Wednesday, and Friday, 2.10 p.m. Section D, Monday, Wednesday, and Friday, 6.10 p.m. Section E, Tuesday, Thursday, and Saturday, 5.10 p.m. Section F, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 5.10 p.m.

3X *College Algebra* (3)

Same as Mathematics 3, but given second semester. Section A, Monday, Wednesday, and Friday, 1.10 p.m. Section B, Tuesday, Thursday, and Saturday, 6.10 p.m.

6 *Plane Trigonometry* (3)

The Staff

For students not offering Trigonometry for entrance. Pre-requisite: Mathematics 3, or concurrent registration for Mathematics 3. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m. Section C, Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 6.10 p.m.

* Students registering for Mathematics 3, 6, 12, 19, or 20 must secure a section assignment from a representative of the Department of Mathematics.

6X *Plane Trigonometry* (3)

Same as Mathematics 6, but given first semester. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m. Section C, Tuesday, Thursday, and Saturday, 6.10 p.m.

†9-10 *Mathematics of Investment* (3-3)

Weida

Prerequisite: Mathematics 3 or its approximate equivalent. Monday, Wednesday, and Friday, 5.10 p.m.

12 *Plane Analytic Geometry* (3)

The Staff

Prerequisite: Mathematics 3 and 6 or their approximate equivalents. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 2.10 p.m. Section C, Monday, Wednesday, and Friday, 6.10 p.m. Section D, Tuesday, Thursday, and Saturday, 5.10 p.m. Section E, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 5.10 p.m.

12X *Plane Analytic Geometry* (3)

Same as Mathematics 12, but given first semester. Section A, Monday, Wednesday, and Friday, 1.10 p.m. Section B, Monday, Wednesday, and Friday, 6.10 p.m. Section C, Tuesday, Thursday, and Saturday, 11.10 a.m. Section D, Tuesday, Thursday and Saturday, 5.10 p.m.

†17-18 *Introduction to Statistics* (3-3)

Weida

Prerequisite: Mathematics 3 or its approximate equivalent. Tuesday, Thursday, and Saturday, 5.10 p.m.

19 *Differential Calculus* (3)

The Staff

Prerequisite: Mathematics 12. Section A, Monday, Wednesday, and Friday, 5.10 p.m. Section B, Monday, Wednesday, and Friday, 6.10 p.m. Section C, Tuesday, Thursday, and Saturday, 11.10 a.m. Section D, Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 6.10 p.m.

19X *Differential Calculus* (3)

Same as Mathematics 19, but given second semester. Section A, Monday, Wednesday, and Friday, 6.10 p.m. Section B, Tuesday, Thursday, and Saturday, 11.10 a.m. Section C, Tuesday, Thursday, and Saturday, 5.10 p.m.

20 *Integral Calculus* (3)

The Staff

Prerequisite: Mathematics 19. Section A, Monday, Wednesday, and Friday, 5.10 p.m. Section B, Monday, Wednesday,

and Friday, 6.10 p.m. Section C, Tuesday, Thursday, and Saturday, 11.10 a.m. Section D, Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 6.10 p.m.

20X *Integral Calculus* (3)

Same as Mathematics 20, but given first semester. Section A, Tuesday, Thursday, and Saturday, 11.10 a.m. Section B, Tuesday, Thursday, and Saturday, 5.10 p.m.

SECOND GROUP*

101 *Fundamental Concepts of Mathematics* (3) Woolard
Monday, Wednesday, and Friday, 6.10 p.m.

104 *Teaching of Secondary-school Mathematics* (3) Weida
Prerequisite: Mathematics 101. Monday, Wednesday, and Friday, 6.10 p.m.

117 *Theory of Least Squares and Probable Error* (3) Weida
Monday, Wednesday, and Friday, 6.10 p.m.

118 *Curve Fitting* (3) Weida
(Not given 1931-32.)

123 *Theory of Equations* (3) Johnston
Tuesday, Thursday, and Saturday, 11.10 a.m.

128 *Solid Analytic Geometry* (3) Taylor
Tuesday, Thursday, and Saturday, 5.10 p.m.

131-32 *Differential Equations* (3-3) Taylor
Required two-semester course for those wishing graduate credit. Monday, Wednesday, and Friday, 5.10 p.m.

131X *Differential Equations* (3) Johnston
Same as Mathematics 131, but given second semester. Tuesday, Thursday, and Saturday, 11.10 a.m.

137-38 *Advanced Calculus* (3-3) Mears
Required two-semester course for those wishing graduate credit. Tuesday, Thursday, and Saturday, 6.10 p.m.

139 *Projective Geometry* (3) Taylor
Summer Sessions 1931: daily except Saturday, 5.10 p.m.

* Mathematics 20, Integral Calculus, is a prerequisite for all courses in this group.

140X *Modern Analytic Geometry* (3) Taylor
Given first semester, Tuesday, Thursday, and Saturday,
5.10 p.m.

141 *College Geometry* (3)
(Not given 1931-32.)

170 *Vector Analysis* (3) Woolard
Monday, Wednesday, and Friday, 5.10 p.m.

THIRD GROUP

†217-18 *Mathematical Statistics* (3-3) Weida
Prerequisite: Differential Equations or concurrent registration
for Mathematics 131-32. Tuesday, Thursday, and Saturday,
6.10 p.m.

219 *Mathematical Theory of Probability* (3)
(Not given 1931-32.)

220 *Theory of Numbers* (3)
(Not given 1931-32.)

†251-52 *Theory of Functions of a Real Variable* (3-3)
(Not given 1931-32.)

†253-54 *Theory of Functions of a Complex Variable* (3-3)
(Not given 1931-32.)

†255-56 *Differential Geometry* (3-3) Taylor
Monday, Wednesday, and Friday, 6.10 p.m.

†257-58 *Theory of Finite Groups* (3-3) Johnston
Monday, Wednesday, and Friday, 5.10 p.m.

†265-66 *Modern Algebra* (3-3)
(Not given 1931-32.)

†267-68 *Calculus of Variations* (3-3)
(Not given 1931-32.)

†269-70 *Tensor Analysis* (3-3)
(Not given 1931-32.)

297-98 *Reading and Research* The Staff
Credits and hours to be arranged.

MECHANICAL ENGINEERING

Arthur Frederick Johnson, M.E., *Professor of Mechanical Engineering, Executive Officer.*

Benjamin Carpenter Cruickshanks, B.S. in M.E., *Assistant Professor of Mechanical Engineering.*

Walter Bartow Lawrence, B.S. in M.E., *Lecturer in Mechanical Engineering.*

Max Allen Lett, M.S. in M.E., *Instructor in Mechanical Engineering.*

James Augustin St. Omer Roy, B.S. in E.E., *Associate in Mechanical Engineering.*

_____, *Associate in Mechanical Engineering.*

Minimum requirements for the degree: see pages 174-75

FIRST GROUP

3 *Mechanical Drawing* (2) Johnson, Lett
Sketches, drawings, and tracings, emphasizing shop methods and utilization of standard machine parts. Two drawing periods, with introductory lectures. Drafting room fee, \$3.00. Section A, Monday and Friday, 1.10 to 4.00 p.m. Section B, Monday and Friday, 6.30 to 9.30 p.m. Section C, Tuesday and Thursday, 6.30 to 9.30 p.m.

4 *Descriptive Geometry* (2) Johnson, Lett
Orthographic and oblique projection; introduction to shades and shadows. Solid Geometry is prerequisite. Two drawing periods, with introductory lectures. Drafting room fee, \$3.00. Section A, Monday and Friday, 1.10 to 4.00 p.m. Section B, Monday and Friday 6.30 to 9.30 p.m. Section C, Tuesday and Thursday, 6.30 to 9.30 p.m. Summer Sessions 1931 (3): daily except Saturday, 5.10 p.m.

7-8 *Machine Drawing* (2-2) Johnson, Lett
Applying kinematics and empirical methods. Prerequisite: Mechanical Engineering 4 and concurrently with Mechanical Engineering 13-14. Two drawing periods. Drafting room fee, \$3.00 a semester. Section A, Wednesday and Friday, 1.10 to 4.00 p.m. Section B, Tuesday and Thursday, 6.30 to 9.30 p.m.

- 13-14 *Mechanism* (3-3) St. Omer Roy, Lett
Machine elements; analysis of their functions; changes of position and speed; gearing; engine and pump mechanisms. Taken concurrently with Mechanical Engineering 7-8. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m.

SECOND GROUP

- 111-12 *Thermodynamics* (3-3) Cruickshanks
First semester: principles of thermodynamics; the gas cycles; practical applications. Second semester: the vapor cycles and the properties of steam; practical applications. Prerequisite: Physics 14. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 6.10 p.m.
- 115-16 *Engineering Laboratory* (2-2) Cruickshanks
Calibration of engineering instruments, testing of power-plant prime movers and auxiliaries and internal-combustion engines. Each student must be present one whole day when a power-plant test will be made. Prerequisite: Mechanical Engineering 111-12. Laboratory fee, \$6.00 a semester. Section A, Monday and Wednesday, 1.10 p.m. Section B, Monday and Wednesday, 7.30 p.m.
- 126 *Methods of Manufacture* (2) Johnson
Jigs, fixtures, and gauging methods for machine tools, automatic machines, and quantity production. Prerequisites: Mechanical Engineering 8 and 14 and Civil Engineering 26. Preparation and presentation of technical papers is required. Tuesday and Thursday, 6.10 p.m.
- 127-28 *Machine Design* (2-2) Johnson
Engineering principles applied to design of machines. The limitations of theoretical and empirical formulae. Prerequisites: Civil Engineering 25-26 and 41 and Mechanical Engineering 126. Two drawing periods, with introductory lectures. Drafting room fee, \$3.00 a semester. Section A, Wednesday and Friday, 1.10 to 4.00 p.m. Section B, Monday and Friday, 6.30 to 9.30 p.m.
- 129-30 *Power Plants* (3-3) Cruickshanks
Design, layout, and installation of power plants and equipment; the auxiliary equipment necessary to economic operation and to meet the present-day safety laws of the various States.

Practical problems. Preparation and presentation of technical papers is required. Prerequisite: Mechanical Engineering 112. Monday, Wednesday, and Friday, 5.10 p.m.

- 131 *Heating and Ventilating* (2) Lawrence
Design, installation, and operation of heating and ventilating systems in all types of buildings. Practical problems. Prerequisite: Mechanical Engineering 112. Tuesday and Thursday, 5.10 p.m.

- 138 *Refrigeration* (2) Lawrence
Design, construction, and installation of modern mechanical refrigeration equipment and auxiliary equipment necessary to their economic operation. Practical problems. Prerequisite: Mechanical Engineering 111. Tuesday and Thursday, 5.10 p.m.

MEDICINE

- William Alanson White, A.M., M.D., *Professor of Psychiatry.*
 Harry Hampton Donnally, A.M., M.D., *Professor of Pediatrics.*
 William Johnston Mallory, A.M., M.D., *Professor of Medicine.*
 Charles Augustus Simpson, M.D., *Professor of Dermatology.*
 Walter Freeman, M.S., M.D., *Professor of Neurology.*
 Coursen Baxter Conklin, A.M., M.D., *Professor of Physical Diagnosis.*
 Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine, Executive Officer.*
 Joseph Burton Glenn, M.D., *Professor of Materia Medica and Therapeutics.*
 Franklin Forman Murdoch, M.D., *Professor of Tropical Medicine.*
 Nolan Don Charpentier Lewis, M.D., *Clinical Professor of Psychiatry.*
 Henry Cook Macatee, M.D., *Clinical Professor of Medicine.*
 Harry Alfred Ong, M.D., *Clinical Professor of Pediatrics.*
 Roscoe Willis Hall, Ph.B., M.D., *Clinical Professor of Psychiatry.*
 Charles Robert Lee Halley, A.B., M.D., *Clinical Professor of Medicine.*
 Thomas Sim Lee, A.M., M.D., *Clinical Professor of Medicine.*
 Leslie Tracy Gager, A.B., M.D., *Clinical Professor of Medicine.*
 Joseph Winthrop Peabody, M.D., *Clinical Professor of Medicine.*
 Frank Adelbert Hornaday, M.S., M.D., *Clinical Professor of Medicine.*
 Harry Marx Kaufman, A.B., M.D., *Clinical Professor of Medicine.*
 Fred August Moss, Ph.D., M.D., *Clinical Professor of Neuro-psychiatry.*
 John Alton Reed, A.B., M.D., *Clinical Professor of Medicine.*
 Harry Saul Bernton, A.B., M.D., *Associate in Medicine.*
 Watson William Eldridge, M.D., *Associate in Medicine.*
 Preston Alexander McLendon, B.S., M.D., *Associate in Pediatrics.*
 Paul J. Ewerhardt, M.D., *Associate in Psychiatry.*
 John Edward Lind, M.D., *Associate in Psychiatry.*
 Harriet Elizabeth Twombly, A.B., M.D., *Associate in Psychiatry.*
 Everett Monroe Ellison, Ph.D., M.D., *Clinical Associate in Medicine.*
 Edward Lewis, M.D., *Clinical Associate in Pediatrics.*
 John Minor, A.B., M.D., *Clinical Associate in Medicine.*
 Harry Ford Anderson, M.D., *Clinical Associate in Dermatology.*
 Archibald Barklie Coulter, A.B., M.D., *Clinical Associate in Medicine.*
 Maurice Protas, A.B., M.D., *Clinical Associate in Medicine.*
 Isaac Silverman, M.D., *Clinical Associate in Psychiatry.*

- Herman Solomon Hoffman, A.B., M.D., *Clinical Associate in Medicine.*
 James Alexander Lyon, M.D., *Clinical Associate in Medicine.*
 John Paul Earnest, jr., A.B., M.D., *Lecturer on Medical Jurisprudence.*
 Grafton Tyler Brown, B.S., M.D., *Lecturer on Allergy.*
 Edward Ballard Brooks, M.D., *Instructor in Pediatrics.*
 George Dewey, M.D., *Instructor in Physical Diagnosis.*
 William LeRoy Dunn, A.M., M.D., *Instructor in Physical Diagnosis.*
 Margaret Mary Nicholson, A.B., M.D., *Instructor in Pediatrics.*
 Charles Berger Campbell, Phar.D., M.D., *Clinical Instructor in Dermatology.*
 Frank Louis Williman, B.S., M.D., *Clinical Instructor in Medicine.*
 Herman Eugene Kittredge, M.D., *Clinical Instructor in Dermatology.*
 Hyman David Shapiro, M.D., *Clinical Instructor in Medicine.*
 Edward Jacob Grass, A.B., M.D., *Clinical Instructor in Medicine.*
 George William Creswell, A.B., M.D., *Clinical Instructor in Medicine.*
 Nicholas Athanasiou Mandelos, M.D., *Clinical Instructor in Medicine.*
 Aaron Nimetz, A.B., M.D., *Clinical Instructor in Pediatrics.*
 Charles Aurelius Schutz, M.D., *Clinical Instructor in Pediatrics.*
 Katharine Godfrey Symmonds, A.B., M.D., *Clinical Instructor in Pediatrics.*
 Norvell Belt, A.B., M.D., *Clinical Instructor in Medicine.*
 Harry Friedenberg, A.B., M.D., *Clinical Instructor in Physical Diagnosis.*
 Raphael Manganaro, B.S., M.D., *Clinical Instructor in Medicine.*
 John Frederick Moore, B.S., M.D., *Clinical Instructor in Medicine.*
 Irving Brotman, M.D., *Clinical Instructor in Medicine.*
 Jerry Keith Cromer, M.D., *Clinical Instructor in Medicine.*
 John Carl Eckhardt, M.D., *Clinical Instructor in Pediatrics.*
 Daniel Leo Finucane, B.S., M.D., *Clinical Instructor in Medicine.*
 Stuart Oliver Foster, A.B., M.D., *Clinical Instructor in Medicine.*
 Vincent Clarence Gould, M.D., *Clinical Instructor in Medicine.*
 Robert Howe Harmon, A.B., M.D., *Clinical Instructor in Medicine.*
 Harry Arnold Hull McNitt, A.M., M.D., *Clinical Instructor in Medicine.*
 George Harrison Nixon, M.S., M.D., *Clinical Instructor in Medicine.*
 Winifred Richmond, Ph.D., M.D., *Clinical Instructor in Psychiatry.*
 Marvin McDugald McLean, M.D., *Clinical Instructor in Medicine.*
 James Hiram Rolls, M.D., *Clinical Instructor in Medicine.*

Minimum requirements for the degree: 815 hours

153-54-55 *Physical Diagnosis* (132-24)

Conklin, Mandelos, Dewey, Dunn, Friedenberg

The course is in the main clinical, consisting of section demonstrations and practice on the normal and abnormal subject. Four hours a week throughout the third year.

201-2-3 *General Medicine* (132-132)

Mallory, Bloedorn, Halley

Systematic course of lectures and recitations covering diseases of the respiratory, blood-circulatory, gastro-intestinal, and endocrine systems. Four hours a week throughout the third year.

211-16 *Medical Clinics* (408)

Clinical Medical Staff

Well-organized group clinics are presented in General Medicine, Dermatology, Neurology, Pediatrics, and Psychiatry at the bedside and in hospital dispensaries. Clinical conferences with the third- or fourth-year class in attendance are held weekly. Daily throughout the third and fourth years.

225-26-27 *Therapeutics* (33-33)

Glenn

Lectures embracing the clinical application of drugs, and a comprehensive discussion of dietetics, physio-therapy, and other therapeutic resources. One hour a week throughout the third year.

231 *Pediatrics* (24-24)

Donnally

The course consists of lectures and demonstrations. Two hours a week in the first trimester of the third year. (Clinical hours are included in the hour schedule of medical clinics.)

241-42 *Dermatology* (16-16)

Simpson

A course of lectures in the first sixteen weeks of the third year, supplemented by dermatologic clinics in general dispensaries. (Clinical hours are included in the hour schedule of medical clinics.)

245 *Tropical Medicine* (22-22)

Murdoch

The course is similar to that given in the Army and Navy Medical Schools, special attention being given to disease prevalent in the United States and its possessions. One hour a week in the first trimester of the third year.

247 *Medical Jurisprudence* (12-12)

Earnest

Lectures on the rights and obligations of physicians, both legal and ethical, and on the legal problems with which the physician is brought into contact. One hour a week in the first trimester of the third year.

261-62-63 *Neurology* (30-30)

Freeman

This course of clinical lectures is given at the Government Hospital for the Insane. One hour a week throughout the fourth year. (Clinical hours are included in the hour schedule of medical clinics.)

271 *Psychiatry* (30-30)

White and Staff

Clinical lectures exhibiting common types of mental deterioration, supplemented by ward and conference clinics, are followed by a didactic course in the more advanced phases of the subject. One hour a week throughout the fourth year. (Clinical hours are included in the hour schedule of medical clinics.)

292 *Ethics* (6-6)

W. C. Borden

A course of lectures on general ethics, including personal hygiene, care of laboratory equipment, and general conduct, in the first year, and on medical ethics and adaptability for the profession in the fourth year. Six hours in the fourth year.

293 *Medical Psychology* (10-10)

Hall

A course of lectures presenting the fundamentals of Psychology from the medical standpoint. One hour a week in the first trimester of the third year.

MILITARY SCIENCE AND TACTICS

William Olendorf Wetmore, M.D., Major, Medical Corps, United States Army, *Professor of Military Science and Tactics.*

The Reserve Officers' Training Course is elective

11-13 (*Basic Medical Course*) *Military Science and Tactics* Wetmore
Practical and theoretical instruction in the following subjects: military courtesy and discipline, policy, organization, administration, law, medicine, hygiene, and first aid. One hour a week throughout the first year.

21-23 (*Basic Medical Course*) *Military Science and Tactics* Wetmore
Map reading; organization of the medical department for caring for and transporting of the sick and wounded from the firing line to the hospitals in the interior; tactics and technique of the several branches of the Army; hospitalization; sanitation with reference to posts, camps, and marches. One hour a week throughout the second year. A summer course at Carlisle Barracks, Pa., follows the second year. Six weeks of physical training, athletics, drill, practice marches, practical sanitation, company administration, military tactics, and map drawing.

103-5 (*Advanced Medical Course*) *Military Science and Tactics* Wetmore
Physical examinations of masses as employed in the Army; food and its relation to disease; water and its relation to disease; prevention and control of communicable diseases from the military standpoint; sanitation in field and garrison. One hour a week throughout the third year.

123-25 (*Advanced Medical Course*) *Military Science and Tactics* Wetmore
Service in the O. R. C.; military hospitals and hospitalization in war; medical and surgical diseases peculiar to war; medical aspects of chemical warfare; aviation medicine; medical aspects of mobilization. Inspection of dairies, ice-cream plants, and packing houses. Methods used by the Army in selecting meats and meat products. Regulations concerning the slaughtering and preparation of meat and meat products. One hour a week throughout the fourth year.

OBSTETRICS AND GYNECOLOGY

Huron Willis Lawson, M.S., M.D., *Professor of Obstetrics and Gynecology, Executive Officer.*

Howard Francis Kane, A.B., M.D., *Clinical Professor of Obstetrics.*

Elijah White Titus, Phar.D., M.D., *Clinical Professor of Gynecology.*

Thomas Edwin Neill, M.D., *Clinical Professor of Gynecology.*

Richard Lee Silvester, M.S., M.D., *Clinical Professor of Obstetrics.*

Jacob Kotz, M.D., *Clinical Professor of Gynecology.*

Henry Lauran Darner, A.B., M.D., *Clinical Associate in Gynecology.*

Joseph Harris, A.B., M.D., *Instructor in Obstetrics.*

Virgil B. Jackson, M.D., *Clinical Instructor in Gynecology.*

Helen Gladys Kain, B.S., M.D., *Clinical Instructor in Gynecology.*

George Nordlinger, A.B., M.D., *Clinical Instructor in Obstetrics.*

Laurence Lee Cockerille, M.D., *Clinical Instructor in Obstetrics.*

Henry John Russell McNitt, B.S., M.D., *Clinical Instructor in Obstetrics.*

Herbert Percy Ramsey, A.B., M.D., *Clinical Instructor in Gynecology.*

William Raymond Thomas, M.D., *Clinical Instructor in Obstetrics.*

Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Gynecology.*

Bernard Notes, M.D., *Clinical Instructor in Obstetrics.*

Frank Edward Gantz, M.D., *Clinical Instructor in Gynecology.*

William Preston Haynes, A.B., M.D., *Clinical Instructor in Obstetrics.*

Clayton Howard Hixson, M.D., *Clinical Instructor in Obstetrics.*

Edmund Murdaugh Ellerson, M.D., *Clinical Instructor in Obstetrics.*

Russel Jon Jansen, M.D., *Clinical Instructor in Obstetrics.*

Minimum requirements for the degree: 241 hours

211-13 *Normal Obstetrics (66-66)* Lawson, Kane, Silvester, Thomas
Lectures and recitations on the physiology and management of normal pregnancy, labor, and the puerperium. The physiology and the immediate care of the newborn child are included. Complications of pregnancy are considered in this course near the end of the year. Two hours a week throughout the third year.

214 *Obstetrical Demonstrations (14-0)* Harris, Thomas
During the first part of this course laboratory studies are made of the bony pelvis in relation to childbearing, the

changes in the soft tissues due to pregnancy, and the fetus at different ages. During the latter half of the course methods of antepartum examinations are demonstrated in the dispensaries and the clinical course, and management of normal labor is studied in the delivery wards. The student observes at least four normal deliveries. Sections, two hours a week, seven weeks throughout the third year.

- 223-24-25 *Principles and Practice of Gynecology* (33-33) Titus, Kotz

A course of lectures and recitations on the subject-matter of Gynecology, medical and surgical, as generally accepted, with dispensary clinics to demonstrate the principles taught. One hour a week throughout the third year.

- 251-52-53 *Abnormal Obstetrics* (30-30) Lawson

Lectures, recitations, and conferences on the pathology of pregnancy, labor, and the puerperium. Birth injuries to the fetus are discussed and demonstrated. The course concludes with a consideration of operative Obstetrics. One hour a week throughout the fourth year.

- 258 *Manikin Demonstrations* (6-0) Harris, Notes

A course of exercises on the mechanism, diagnosis of presentation and position of labor, version and extraction, delivery by forceps, and other manipulations and operations, use being made of bony and metal pelvises, the manikin, and fetuses. Sections, two hours a week for three weeks throughout the fourth year.

- 261-62-63 *Clinical Obstetrics* (50-0) Lawson, Kane, Silvester, Harris, Thomas, Cockerille, Notes, Hixson

This course embraces dispensary clinics on prenatal care, ward clinics, observation of abnormal deliveries, and the attendance under supervision of six cases in the out-patient service. Throughout the fourth year.

- 273 *Clinical Gynecology* (15-0) Lawson, Titus, Miller, Neill,

Kotz, McNitt, Jackson, Ramsey, Darner
Clinical instruction in various hospitals, covering the more important gynecological diseases and operations. Sections throughout the fourth year.

PHARMACOLOGY

George Byron Roth, A.M., M.D., *Professor of Pharmacology, Executive Officer.*

James Holmes Defandorf, A.M., *Associate Professor of Pharmacology.*

Minimum requirements for the degree: 172 hours

151 *Chemical Pharmacology* (36-0)

Roth, Defandorf

This laboratory course aims to teach the elements of the pharmacy of the more important medicinal agents and to acquaint the student with the fundamentals underlying the chemical incompatibilities of drugs. The characteristic reactions of the important constituents in drugs are emphasized, and the excretion of certain drugs in man is investigated. Three hours a week in the first trimester of the second year.

152 *Pharmacodynamics* (50-0)

Roth, Defandorf

The instruction in Pharmacodynamics is also practical and consists of demonstrations and student experiments to illustrate the biological effects and nature of the action of the more important pharmacological agents, proceeding from the simple to the more complex tissues and finally to the organism as a whole. Five hours a week in the second trimester of the second year.

161-62-63 *Systematic Pharmacology* (76-76)

Roth

This is a didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents and brings them into more intimate connection with their clinical use, special consideration being given to the drugs found in the United States Pharmacopoeia and New and Non-official Remedies. Two hours a week in the first and third trimesters and three hours a week in the second trimester of the second year.

174 *Principles of Prescription Writing* (10-0)

Roth

Conferences on the form of the prescription and drill in elemental prescription writing. One hour a week in the second trimester of the second year.

PHARMACY

William Paul Briggs, M.S., *Associate Professor of Pharmacy, Executive Officer.*

Louis Francis Bradley, Phar.D., *Professorial Lecturer in Pharmacy.*

Eugene Christian Brokmeyer, *Lecturer on Pharmaceutical Jurisprudence.*

Asa Vernon Burdine, *Lecturer on Commercial Pharmacy.*

Clayton Howard Hixson, M.D., *Lecturer on Physiology.*

Edward Ab Krause, M.D., *Lecturer on First Aid.*

Augustus Carrier Taylor, *Lecturer on Pharmaceutical Ethics.*

Ewald Witt, M.S., *Instructor in Pharmacy.*

Minimum requirements for the degrees: see pages 181-82

FIRST GROUP

- 1-2 *Theoretical Pharmacy* (2-2) Briggs
Principles of pharmaceutical operations, and the theory of the manufacture of Pharmacopoeial and National Formulary preparations. Tuesday and Thursday, 9.10 a.m.
- 3-4 *Manufacturing Pharmacy* (2-2) Briggs and Witt
Laboratory—to be taken concurrently with Pharmacy 1-2. Material fee, \$6.00 a semester; breakage deposit, \$10.00. Thursday and Friday, 1.10 to 4.00 p.m.
- 5-6 *Pharmaceutical Mathematics* (2-2) Witt
Systems of weights and measures, and methods of conversion from one to another; thermometers and the measurement of temperatures; calculation of specific gravity; calculations used in reducing and enlarging formulas. Monday and Wednesday, 4.10 p.m.
- 9 *History of Pharmacy* (1) Briggs
The development of the profession from the earliest time to the present. Friday, 4.10 p.m.
- 54 *Pharmaceutical Chemistry* (2) Witt
The inorganic and organic compounds of the U. S. P. and N. F., including manufacture and tests for purity and identity. Prerequisite: Chemistry 5-6. Monday and Wednesday, 10.10 a.m.
- 61-62 *Dispensing Pharmacy* (2-2) Briggs
Laboratory work illustrating by practice the approved methods of compounding a selected series of prescriptions number-

ing about three hundred. Material fee, \$6.00 a semester; breakage deposit, \$10.00. Laboratory—Wednesday and Friday, 1.10 to 4.00 p.m.

- 63-64 *Dispensing Pharmacy* (2-2) Briggs
Lecture course to be taken concurrently with Pharmacy 61-62. Monday and Wednesday, 9.10 a.m.

- 65-66 *Pharmacognosy* (3-3)
The year's work is divided into two parts: (a) Pharmacology and Therapeutics; the study of the physiological actions and uses of medicinal agents of the U. S. P. and N. F. (b) Pharmacognosy; the study of the U. S. P. and N. F. drugs as regards microscopic and macroscopic identification, selection, sources, and properties. Prerequisite: Botany 1-2. Material fee, \$6.00 a semester. Lectures—Tuesday and Thursday, 10.10 a.m. Laboratory—Saturday, 9.10 a.m. to 12.00.

- 67 *Pharmaceutical Latin* (1) Witt
Latin as applied in the prescription and in the various pharmaceutical dispensaries. Wednesday, 10.10 a.m.

- 77-78 *Physiology* (1-1) Hixson
A general study of the structure and functions of the human body. Friday, 10.10 a.m.

SECOND GROUP

- 101-2 *Pharmaceutical Jurisprudence* (1-1) Brokmeyer
A theoretical and practical knowledge of laws governing the practice of Pharmacy. Thursday, 2.10 p.m.

- 151 *Dispensing Pharmacy* (1) Briggs
Continuation of Pharmacy 63-64, especially stressing incompatibility, methods of correcting the same, and proprietary items. Friday, 9.10 a.m.

- 152 *Quantitative Analysis* (2) Witt
The U. S. P. methods of quantitative analysis, physical and other tests, etc. Some food analysis is also included in this course. Friday and Saturday, 9.10 a.m. To be taken concurrently with Pharmacy 154.

- 153 *Dispensing Pharmacy* (1) Briggs
Continuation of Pharmacy 61-62. Original prescriptions are compounded and dispensed, involving ambiguous and incom-

patible prescriptions and proprietaries. Material fee, \$6.00; breakage deposit, \$10.00. Laboratory—Tuesday, 1.10 to 4.00 p.m.

- 154 *Quantitative Analysis* (2) Witt
Gravimetric and volumetric analyses of U. S. P. drugs, chemicals, fluid extracts, tinctures, etc., followed by work on saponification value of fats, acid and iodine numbers, estimation of volatile oils, etc. Material fee, \$6.00; breakage deposit, \$10.00. Laboratory—Saturday, 10.10 a.m. to 1.00 p.m., and Tuesday, 1.10 to 4.00 p.m.

- 155 *Qualitative Analysis* (1) Witt
Pharmaceutical Qualitative Analysis, including the principal purity and identity tests of the U. S. P. and N. F. Material fee, \$6.00; breakage deposit, \$10.00. Laboratory—Saturday, 10.10 a.m. to 1.00 p.m.

- 156 *Pharmacy* (2) Briggs
A complete review of the U. S. P. and N. F. Monday and Wednesday, 11.10 a.m.

- 157 *Qualitative Analysis* (1) Witt
Lecture course to be taken concurrently with Pharmacy 155. Saturday, 9.10 a.m.

- 162 *Ethics* Taylor
A discussion of the motives and institutions of the pharmaceutical profession. Friday, 2.10 p.m.

- 165-66 *Commercial Pharmacy* (2-2) Burdine
Elementary economics; history of money; financing, planning, and equipping new stores; selection of locations; management problem and duties; turnover; commercial arithmetic; expense and overhead; inventories; business economics; system and store service; business correspondence; retail buying; salesmanship; sales; plans and merchandising; advertising, display work, departmentizing, and business building. Friday, 11.10 a.m. to 1.00 p.m.

- 169 *Pharmacognosy* (2)
Continuation of Pharmacy 65-66, especially stressing toxicology. Thursday and Friday, 1.10 p.m.

- 170 *Biological Testing and Assaying* (2)
Biological drug assaying, with special reference to the methods of the U. S. P. and N. F. Thursday and Friday, 1.10 p.m.

- 173-74 *Medical Emergencies and First Aid* (1-1) MacDonald
This course of lectures is designed to acquaint the student with emergencies both of a medical and surgical nature, and the recognition and emergency treatment of the same. Thursday, 4.10 p.m.
- 181-82 *Advanced Pharmacy* (3-3) Briggs
Lecture and laboratory in advanced points of pharmaceutical interest. Material fee, \$12.00 a semester; breakage deposit, \$20.00 a year. Hours to be arranged.

PHILOSOPHY

Edward Elliot Richardson, M.D., Ph.D., *Elton Professor of Mental and Moral Philosophy.*

Christopher Browne Garnett, jr., B.S., *Instructor in Philosophy.*

Minimum requirements for the major: twenty-four semester-hours of Philosophy, including Philosophy 103, 111-12, and 122.

SECOND GROUP

103 *Principles of Philosophy* (3)

Garnett

This course introduces the student to the principles, problems, and theories of Philosophy. Tuesday, Thursday, and Saturday, 9.10 a.m. Summer Sessions 1931 (3): daily except Saturday, 5.10 p.m.

111-12 *History of Philosophy* (3-3)

Richardson

A study of ancient and medieval Philosophy in the first semester and of modern Philosophy in the second semester. Monday, Wednesday, and Friday, 6.10 p.m.

122 *Logic* (3)

Garnett

This course studies the field of Logic and presents the methods and principles of the organization of knowledge, of induction and deduction, and of logical analysis. Monday, Wednesday, and Friday, 5.10 p.m.

132 *Ethics* (3)

Garnett

This course presents the principal ethical theories from the historical, social, and cultural points of view. Monday, Wednesday, and Friday, 10.10 a.m. Summer Sessions 1931 (2): daily except Saturday, 11.40 a.m.

137 *Lectures and Readings in Greek Philosophy* (3)

Richardson

This course is designed to acquaint the student with the main outlines of Greek thought. Tuesday, Thursday, and Saturday, 9.10 a.m.

140 *Medieval and Scholastic Philosophy* (3)

Richardson

This course presents the distinctive features of medieval and scholastic philosophy, especially with reference to the

influence of that period upon subsequent thought. Monday, Wednesday, and Friday, 5.10 p.m.

151 *Problems in the Philosophy of the Sixteenth and Seventeenth Centuries* (3) Garnett

This course makes an inquiry into the philosophies of the sixteenth and seventeenth centuries. Attention will be given to tracing the philosophic and scientific doctrines of Bruno, Bacon, Descartes, Malebranche, Spinoza, Locke, Leibniz, and Newton. Monday, Wednesday, and Friday, 6.10 p.m.

155-56 *Philosophical Movements in the Eighteenth Century* (3-3) Garnett

This course makes an inquiry into the philosophical reactions to seventeenth-century natural science, as conditioned by eighteenth-century social tendencies. The instructor desires to investigate: (a) the development of the Leibnizian and Newtonian scientific traditions in Germany and France, including the rise of the observational and experimental methods; (b) the philosophical attempt to understand and criticize this natural science; and (c) the importation of scientific ideals and concepts into religion, art, morality, and social theory. Ability to read French or German is desirable. Monday, Wednesday, and Friday, 9.10 a.m.

163 *Philosophy of Religion* (3) Richardson

This course consists of a study of the philosophical principles involved in religion. Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 6.10 p.m.

170 *Contemporary Philosophy* (3) Richardson

This course makes a comprehensive survey of the philosophic thought of the present time. Tuesday, Thursday, and Saturday 9.10 a.m.

THIRD GROUP

221-22 *Seminar* (3-3)

Garnett

Research in Philosophy. In 1931-32 Kant's doctrines of space will be investigated with particular reference to their roots in Newtonian and Leibnizian thinking and to their relation to other aspects of his philosophy. The scope of

this investigation will be determined by the needs of each student. Tuesday, 7.10 to 9.00 p.m.

251-52 *Seminar* (3-3)

Richardson

Consideration of special problems; research in Philosophy
Wednesday, 7.10 to 9.00 p.m.

PHYSICAL EDUCATION FOR MEN

James Ebenezer Pixlee, B.S., *Professor of Physical Education for Men, Executive Officer.*

Claud Max Farrington, A.B., *Instructor in Physical Education for Men.*

Jean Elyle Sexton, A.B., *Instructor in Physical Education for Men.*

Leonard Patrick Walsh, A.B., *Instructor in Physical Education for Men.*

The Department includes under its jurisdiction all of the recognized athletic activities of the men students of the University. Work is so arranged that every student, regardless of his ability, is enabled and encouraged to take part in some of the activities. Enrolment in some one of the following courses—21-22, 31-32, 71-72, 81-82—is required of first- and second-year students in the Junior College, the School of Engineering, and the School of Pharmacy in regular attendance.

Entering students are given a medical examination, followed by a physical-efficiency test, after which they are classified and assigned to restrictive or elective work.

Students who participate in varsity or intramural athletics are excused from the regular courses in Physical Education. A definite program of activities is outlined for each course; and final examinations are given as in other University courses. Those who fail in the examinations may repeat the course or elect a different course. All students, excepting those assigned to Individual Gymnastics, will take four different courses in meeting their Physical Education requirement.

Students enrolling in Physical Education courses will be required to furnish their personal uniforms and equipment. The University, through the Director, makes special provision for those desiring to purchase such equipment.

The general University regulation covering absence from classes applies in this Department.

Activities open to freshmen are as follows: football, basketball, baseball, swimming, tennis, and volley ball.

Activities open to sophomores are as follows: varsity football, basketball, swimming, tennis, golf, baseball, or other sports established from time to time.

Courses required of all freshmen and sophomores are: 21-22, 31-32, 71-72, 81-82.

FIRST GROUP

1-2 *Introduction to Physical Education* (3-3)

Pixlee

Theory and practice. This course introduces the student to the entire field of Physical Education: history of theories and systems of Physical Education; aims and objects of the modern developments of Physical Education.

11-12 *Theory and Practice Fundamentals of Physical Education* (2-2)

The Staff

Required of all majors in the freshman year. This course deals with intensive instruction in the various activities

which go to make up both the major and minor sports, including football, basketball, baseball, lacrosse, track and field, handball, soccer, boxing, wrestling, swimming, diving, life-saving, tumbling, calisthenics, light and heavy apparatus. Mass athletics and group games.

- 21-22 *Elementary Physical Education* (1-1) Sexton, Farrington
Two periods each week required of freshmen. Section A, Monday and Wednesday, 9.10 a.m. Section B, Tuesday and Thursday, 9.10 a.m. Section C, Tuesday and Thursday, 10.10 a.m. Section D, Tuesday and Thursday, 12.10 p.m.

- 31-32 *Individual Gymnastics* (1-1) Sexton
A special course for freshmen not taking the regular course. Students receive individual attention and are assigned to recreational and corrective programs suited to individual needs. Three periods each week and two periods of outside assignments each week. Monday, Wednesday, and Friday, 9.10 a.m.

- 53-54 *Theory and Practice of Physical Education* (2-2) Sexton, Walsh
Practice teaching; mass athletics; group games and individual activities. Prerequisite: Physical Education 11-12.

- 55-56 *Theory and Practice Individual Gymnastics and Athletics* (3-3) Sexton, Farrington
Physical diagnosis, medical gymnastics, etc. Lectures, assigned readings, technic of health examination, individual activity. Clinical practice adapted to problems in the field for men. Recognition of cases coming within the scope of the physical director. Prerequisite: Physical Education 11-12.

- 61-62 *Theory and Practice of Physical Education* (2-2) The Staff
Prerequisite: Physical Education 11-12.

- 71-72 *Advanced Physical Education* (1-1) Sexton, Farrington
Required of sophomores. Continuation of Physical Education 21-22. Four separate lines of activity are necessary to fulfil the requirements by the end of the sophomore year. Section A, Monday and Wednesday, 10.10 a.m. Section B, Tuesday and Thursday, 10.10 a.m. Section C, Tuesday and Thursday, 11.10 a.m.

- 81-82 *Individual Gymnastics* (1-1) Sexton
For sophomores. Continuation of Physical Education 31-32. Tuesday and Thursday, 9.10 a.m., and assignments.

SECOND GROUP

- 109-10 *Kinesiology and Body Mechanics* (3-3) Walsh
Analysis of gymnastics, athletics, and athletic and individual gymnastics. Training-room methods, reduction of injuries, first aid.
- 111-12 *Theory and Practice of Physical Education* (2-2) The Staff
Prerequisite: Physical Education 11-12.
- 117-18 *Theory and Practice of Playground and Community Recreation* (2-2) Sexton, Walsh
Nature and function of play-age period and adaptation of activities. Social environment, playground development, construction, management, and supervision. Games, pageants, handiwork, and physical activities. Recreation materials, field meets, tournaments. Practical application in teaching age groups. Prerequisite: Physical Education 11-12.
- 129-30 *Theory and Practice of Physical Education* (3-3) Pixlee, Farrington
Prerequisite: Physical Education 11-12.
- 161-62 *Theory and Practice of Physical Education* (2-2) The Staff
All major and minor activities are handled in season.
- 173-74 *Psychology and Athletics—Physical and Mental Tests* (3-3) Pixlee
Psychology and athletics for the first semester; physical and mental tests for the second semester.
- 177-78 *Physical Education* (3-3) Pixlee, Sexton, Walsh
- 179-80 *Theory and Practice of Physical Education* (3-3) The Staff
Practice teaching in competitive groups—coaching and officiating. Prerequisite: Physical Education 11-12.

PHYSICAL EDUCATION FOR WOMEN

Ruth Harriet Atwell, Ph.B., *Associate Professor of Physical Education for Women, Executive Officer.*

Grace G. Purse, M.D., *Lecturer in Hygiene.*

Agnes Rodgers, A.M., *Instructor in Physical Education for Women.*

Helen Bennett Lawrence, *Instructor in Physical Education for Women.*

Ruth Mary Aubeck, B.S., *Instructor in Physical Education for Women.*

Physical Education 1-2 and 3-4 constitute the requirement for graduation and are compulsory for all freshman and sophomore women. Students entering the University with advanced standing are exempt from this requirement if they have satisfactorily completed the work elsewhere. Because of the necessity for uniformity of costume, the required gymnasium outfit must be ordered through the office of the Director of Physical Education.

Upon entrance all students are given a complete medical and physical examination, stress being laid on investigation of conditions which are susceptible to improvement.

All requests for postponement of Physical Education must be made and approved at the office of the Director. No student is exempt from Physical Education work without the recommendation of the University Medical Staff and the Director of Physical Education. Exemption is based largely on the findings of the required medical and physical examination.

Students who are physically unable to do the regular work are assigned to individual gymnastic classes and to moderate sports which are modified to suit their needs and are conducted under the direct supervision of the resident physician.

All women students are urged to take at least one hour of exercise every day. The facilities of the Department are available for this purpose to all women students.

Minimum requirements for the degree of Bachelor of Science in Physical Education for Women: see pages 194-95.

FIRST GROUP

1-2 Freshmen (1-1)

The Staff

One lecture on personal hygiene and two periods of activity as outlined below are required each week.

Fall season: During this season freshmen may elect one of the following sports: hockey, soccer, or archery. Section A, Monday and Friday, 1.15 p.m. Section B, Tuesday and Thursday, 1.15 p.m. Section C, Monday and Friday, 2.00 p.m. Section D, Tuesday and Thursday, 2.00 p.m.

Winter season: During this season freshmen may elect natural dancing or a fundamental gymnastic course which includes exercises, tumbling, pyramid building, folk dancing, and

games. Section E, Tuesday and Thursday, 9.10 a.m. Section F, Monday and Friday, 10.10 a.m. Section G, Monday and Friday, 11.10 a.m.

Students are assigned to small groups for individual gymnastics, if the examination indicates that this is advisable. Spring season: During this season all freshmen must elect swimming, with the exception of those girls who can pass the swimming test, in which case they may elect one of the following activities: track, baseball, archery, golf, riding, or tennis. Sections are the same as for the fall season.

Hygiene: one lecture a week throughout the year. Section A, Wednesday, 1.00 p.m. Section B, Wednesday, 10.10 a.m. Section C, Wednesday, 11.10 a.m.

3-4 *Sophomores (1-1)*

The Staff

Two periods of activity as outlined below are required each week.

Fall season: During this season sophomores may elect one of the following sports: hockey, soccer, golf, archery, tennis, or riding. Section A, Monday and Friday, 1.15 p.m. Section B, Tuesday and Thursday, 1.15 p.m. Section C, Monday and Friday, 2.00 p.m. Section D, Tuesday and Thursday, 2.00 p.m.

Winter season: During this season sophomores may elect one of the following activities: natural dancing, clog and folk dancing, or basketball. Section H, Tuesday and Thursday, 9.10 a.m. Section I, Monday and Friday 1.00 p.m. Section K, Monday and Friday, 2.00 p.m. Section L, Tuesday and Thursday, 2.00 p.m.

Spring season: During this season sophomores may elect one of the following activities: track, tennis, golf, archery, riding, baseball, or swimming. Sections are the same as for the fall season.

5-6 *Theory and Practice of Play Activities (3-3)*

Atwell

Two lectures each week and two laboratory periods. This is a study of the age periods of the child and the adaptation of physical activities to these periods. Plays and games will be taken up for use in playgrounds and school curricula. A study will be made of the history and organization of playgrounds and other community recreation and of physical-education programs for elementary schools.

7-8 *Theory and Practice of Physical Education (3-3)*

Atwell, Lawrence, Aubeck

Two lectures and four laboratory periods each week. This

is a foundation course which studies the methods of teaching gymnastics, sports, and dancing. The technique of each activity is studied and practice teaching in each one is required. The following activities are included: gymnastics, apparatus, and marching; folk, clog, and natural dancing; hockey; basketball; tennis; swimming; soccer; archery; baseball; track; and golf. These activities are scheduled according to season throughout the sophomore, junior, and senior years.

SECOND GROUP

101-2 *Therapeutic Gymnastics and Physical Examinations* (3-3)

Lawrence

Three lectures each week. This course includes a study of the theory and mechanics of postural defects, practice in exercises suitable for such and for cases needing remedial work prescribed by a physician, and a discussion of physical-examination methods used in diagnosis of physical defects.

103-4 *Kinesiology* (3-3)

Aubeck

Three lectures each week. This course is a study of the anatomical mechanism of movements for the purpose of acquainting the student with means of analyzing movements intelligently and prescribing programs for developmental or corrective purposes.

106 *School Health Problems* (3)

Aubeck

Three lectures each week. This course considers the problems relating to the health of the school child and teacher. It includes discussions and reports relating to medical inspection, physical examinations, symptoms and control of common school diseases, malnutrition, and the health environment of the school child.

107 *History of Physical Education* (2)

Atwell, Aubeck

Two lectures each week. This course makes a historical survey of Physical Education, including contemporary developments and a consideration of the biological and educational aspects of Physical Education with special reference to its place in education.

108 *Scouting and Other Adolescent Organizations* (1)

Aubeck

One lecture each week. This course includes a study of the adolescent organizations for boys and girls, with a discussion of their educational values, their activities, and their application.

109-10 *Theory and Practice of Physical Education (3-3)*

Atwell, Lawrence, Aubeck

Two lectures and four laboratory periods each week. This is a foundation course which studies the methods of teaching gymnastics, sports, and dancing. The technique of each activity is studied, and practice teaching in each one is required. The following activities are included: gymnastics, apparatus, and marching; folk, clog, and natural dancing; hockey; basketball; tennis; swimming; soccer; archery; baseball; track; and golf. These activities are scheduled according to season throughout the sophomore, junior, and senior years.

111-12 *Organization and Administration of Physical Education (3-3)*

Atwell

Three lectures each week. This course includes a study of the problems of organization for Physical Education in elementary and secondary schools and colleges. Problems to be discussed will cover interscholastic, intercollegiate, and intramural athletics; personnel of a department; equipment and facilities; keeping of records; finances; schedules; publicity; scholastic and athletic eligibility; and professionalism.

113-14 *Theory and Practice of Physical Education (3-3)*

Atwell, Lawrence, Aubeck

Two lectures and four laboratory periods each week. This is a foundation course which studies the methods of teaching gymnastics, sports, and dancing. The technique of each activity is studied and practice teaching in each one is required. The following activities are included: gymnastics, apparatus, and marching; folk, clog, and natural dancing; hockey; basketball; tennis; swimming; soccer; archery; baseball; track; and golf. These activities are scheduled according to season throughout the sophomore, junior, and senior years.

115 *Advanced Therapeutic Gymnastics (2)*

Lawrence

One lecture and two laboratory periods each week. This is an advanced course in the subjects included in Physical Education 101-2. The laboratory hours are spent in assisting in the individual gymnastics classes and with the physical examinations.

116 *Practice Teaching in Physical Education (3)*

Atwell

Four laboratory periods each week. These periods are used

for practice teaching in Physical Education activities. Criticism and analysis of the instruction is given by the supervisor.

117 *Physical Tests and Measurements* (2)

Atwell

Two lectures each week. This includes a survey of tests and measurements in Physical Education, with the theories underlying their use. There will be practice in giving tests; construction of learning curves; elementary statistics.

118 *Camp Leadership* (2)

Lawrence

Two lectures each week and several field trips. Camp leadership is taken up from the standpoint of camp organization, program making, camp activities, and qualifications of counselors.

PHYSICS

Thomas Benjamin Brown, Ph.D., *Professor of Physics, Executive Officer.*
 Walter Lynn Cheney, Ph.D., *Professor of Physics.*
 William Jackson Humphreys, C.E., Ph.D., *Professorial Lecturer on Meteorological Physics.*
 Raymond John Seeger, Ph.D., *Assistant Professor of Physics.*
 Charles Edwin Van Orstrand, M.S., *Lecturer on Mathematical Physics.*
 James Lewis Thomas, A.M., *Associate in Physics.*
 Henry Joseph Wing, Ph.D., *Associate in Physics.*

Minimum requirements for the major: Physics 11, 12, 13, and 14; Mathematics 19-20; and at least eighteen additional semester-hours in Physics. Candidates for the Bachelor of Science degree will include Mathematics 131 and 170. A Physical Science major may be arranged by the Executive Officers of Physics and Chemistry for those desiring a combined major.

FIRST GROUP

- 7 *General Physics* (4) Cheney and Seeger
 Summer Sessions 1931: daily except Saturday, 5.10 p.m., and Tuesday, 7.30 to 10.30 p.m.
- 8 *General Physics* (4) Cheney and Seeger
 Summer Sessions 1931: daily except Saturday, 6.10 p.m., and Thursday, 7.30 to 10.30 p.m.
- 9 *Beginner's General Physics* (5) Cheney and Seeger
 Summer Sessions 1931: daily except Saturday, 5.10 p.m., and Tuesday and Thursday, 7.30 to 10.30 p.m.
- 10 *Beginner's General Physics* (5) Cheney and Seeger
 Summer Sessions 1931: daily except Saturday, 6.10 p.m., and Tuesday and Thursday, 7.30 to 10.30 p.m.
- *11 *Properties of Matter, Statics, and Heat* (3) Cheney, Seeger, and Staff
 Material fee, \$4.50. Section A, Tuesday and Thursday, 11.10 a.m. Laboratory—Monday or Tuesday, 1.00 to 3.00 p. m. Section B, Tuesday and Thursday, 5.10 p.m. Laboratory—Monday or Tuesday, 6.30 to 8.30 p.m.

* Physics 11, 12, 13, and 14 constitute a two-year general course in Physics, to be taken in sequence. Students who have credit for high-school Physics from an accredited high school may omit Physics 11 and begin with either Physics 12 or 13.

- 12 *Electricity and Magnetism* (3) Cheney, Seeger, and Staff
Material fee, \$4.50. Section A, Tuesday and Thursday, 11.10 a.m. Laboratory—Monday, Tuesday, Wednesday, or Friday, 1.00 to 3.00 p.m. Section B, Wednesday and Friday, 11.10 a.m. Laboratory—same as section A. Section C, Tuesday and Thursday, 5.10 p.m. Laboratory—Monday, Tuesday, or Wednesday, 6.30 to 8.30 p.m.
- 13 *Dynamics, Sound, and Light* (3) Brown, Seeger, and Staff
Material fee, \$4.50. Section A, Monday and Wednesday, 11.10 a.m. Laboratory—Wednesday, Thursday, or Friday, 1.00 to 3.00 p.m. Section B, Monday and Wednesday, 5.10 p.m. Laboratory—Wednesday, Thursday, or Friday, 6.30 to 8.30 p.m.
- 14 *Modern Physical Phenomena. Molecular and Atomic Physics* (2) Brown
Section A, Monday and Wednesday, 11.10 a.m. Section B, Monday and Wednesday, 5.10 p.m.

SECOND GROUP

- 111 *Analytical Mechanics* (3) Cheney
Prerequisites: Physics 11, 12, 13, 14; Mathematics 19-20. Tuesday, Thursday, and Saturday, 6.10 p.m.
- 112 *Molecular Physics and Heat* (3) Cheney
This course includes experiments in mechanics. Prerequisite: Physics 111. Material fee, \$6.00. Tuesday and Thursday, 6.10 p.m. Laboratory—Friday, 7.30 to 9.30 p.m.
- 115 *Oscillations and Waves* (3) Brown
This course includes electrical oscillations and sound. Prerequisites: Physics 11, 12, 13, 14; Mathematics 19-20. Material fee, \$6.00. Monday and Friday, 6.10 p.m. Laboratory—Wednesday, 6.30 to 8.30 p.m.
- 116 *Physical Optics* (3) Brown
Prerequisites: Physics 11, 12, 13, 14; Mathematics 19-20. Material fee, \$6.00. Monday and Friday, 6.10 p.m. Laboratory—Wednesday, 6.30 to 8.30 p.m.
- †123-24 *Magnetism, Electricity, and Electron Theory* (3-3) Cheney
Two lectures and one laboratory. Material fee, \$6.00 a semester. Prerequisites: Physics 11, 12, 13, 14; Mathematics 19-20. (Given in 1930-31 and alternate years.)

THIRD GROUP

- 211 *Dynamics* (3) Cheney
Prerequisites: Physics 111 and Mathematics 170 or their equivalents. (Given in 1932-33 and alternate years.)
- 212 *Thermodynamics* (3) Cheney
Prerequisite: Physics 112 or its equivalent. (Given in 1932-33 and alternate years.)
- 223 *Electrodynamics and Theory of Relativity* (3) Seeger
Prerequisites: Physics 115-16 or 123-24 and Mathematics 170 or their equivalents. (Given in 1932-33 and alternate years.)
- 224 *Electromagnetic Theory of Light* (3) Brown
Prerequisite: Physics 223. (Given in 1932-33 and alternate years.)
- 231-32 *Graduate Laboratory Physics* (3-3) Brown
Hours to be arranged. Not given after 5.00 p.m.
- †241-42 *Foundations of Physics* (3-3) Seeger
A history of physical concepts treated from a critical and philosophical standpoint. Prerequisites: six semester-hours of second-group work in Physics. Tuesday, Thursday, and Saturday, 6.10 p.m.
- †251-52 *Atomic Structure* (3-3) Seeger
Prerequisites: Physics 111 and 123-24 or their equivalents. Tuesday, Thursday, and Saturday, 5.10 p.m.
- †261-62 *Seminar in Mathematical Physics* (2-2) Van Orstrand
Theory of heat conduction to be given in 1931-32. Saturday, 4.10 p.m.
- †281-82 *Meteorological Physics* (3-3) Humphreys
The interpretation of meteorological data in the light of modern Physics. Prerequisite: Physics 112 or its equivalent. Hours to be arranged.

PHYSIOLOGY

Leslie Howson French, M.D., *Professor of Physiology, Executive Officer.*
Assistant Professor of Physiology.

Minimum requirements for the degree: 279 hours

- 111-14 *Physiology* (121-121) French and Staff
Course of lectures, recitations, and conferences covering the physiology of muscle, nerve, blood, lymph, circulation, respiration, digestion, excretion, secretion, sense organs, metabolism, endocrine, and central nervous systems. First year: three hours weekly, first and second trimesters; five hours weekly, last trimester.
- 151 *Physiology* (24-24) French
Continuation of Physiology 111-14. Second year: two hours weekly, first trimester.
- 152 *Experimental Physiology* (120-0) French and Staff
Course of laboratory exercises and demonstrations selected to illustrate the fundamental principles of Physiology and to impress the student with the importance of observation and correlation. Quizzes and conferences precede each laboratory session. The course includes practical instruction in electro-cardiography and metabolism. Second year: ten hours weekly, first trimester.
- 251 *Clinical Physiology* (14-0) French
Course of laboratory exercises, ward demonstrations, and conferences covering clinical disturbances of function. The subject-matter is presented in such a way as to interpret clinical pictures, explain certain functional diagnostic procedures, and suggest rational preventive and curative therapeutic principles. Fourth year: sections, two hours weekly for seven weeks.

POLITICAL SCIENCE

Charles Edward Hill, Ph.D., *Professor of Political Science.*
 Frederick Austin Ogg, Ph.D., *Visiting Professor of Political Science.*
 Stanley Kuhl Hornbeck, Ph.D., *Professorial Lecturer in Political Science.*
 Stephen Panaretoff, A.M., *Professorial Lecturer in Political Science.*
 Leo Stanton Rowe, Ph.D., LL.D., *Professorial Lecturer in Political Science.*
 Warren Reed West, Ph.D., *Associate Professor of Political Science, Executive Officer.*
 John Albert Tillemma, Ph.D., LL.B., *Associate Professor of Political Science.*
 William Crane Johnstone, jr., Ph.D., *Assistant Professor of Political Science.*

Minimum requirements for the major: twenty-four semester-hours, in which Political Science 9-10 may be included.

FIRST GROUP

9-10 *Government of the United States* (3-3)

The Staff

Government of the United States; State government and a survey of city and county government. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 10.10 a.m. Section C, Monday, Wednesday, and Friday, 5.10 p.m. Section D, Monday, Wednesday, and Friday, 6.10 p.m. Section E, Tuesday, Thursday, and Saturday, 9.10 a.m. Section F, Tuesday, Thursday and Saturday, 11.10 a.m. Section G, Tuesday, Thursday, and Saturday, 5.10 p.m. Section H, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3-3): Political Science 9, daily except Saturday, 5.10 p.m.; Political Science 10, daily except Saturday, 6.10 p.m.

SECOND GROUP

111-12 *Comparative European Governments* (3-3)

Tillemma, Ogg

Monday, Wednesday, and Friday, 11.10 a.m. Summer Sessions 1931 (2): daily except Saturday, 9.40 a.m. (listed as Political Science S113).

115 *Municipal Government in the United States* (3)

Tillemma

Tuesday, Thursday, and Saturday, 5.10 p.m.

- 116 *Political Parties* (3) Tillema
Tuesday, Thursday, and Saturday, 5.10 p.m.
- 117 *Political Theory* (3) West
(Not given 1931-32.)
- 121-22 *Constitutional Law* (3-3) West
Monday, Wednesday, and Friday, 6.10 p.m.
- 124 *Legislative Organization* (3) West
(Not given 1931-32.)
- 165 *World Politics* (3) Hill
(Not given 1931-32.)
- 171-72 *International Relations* (3-3) Johnstone
Tuesday, Thursday, and Saturday, 10.10 a.m.
- 177 *Survey of American Foreign Policy* (2)
Hill, Hornbeck, Rowe, Panarettoff
Summer Sessions 1931: daily except Saturday, 5.10 p.m.
- 181-82 *International Law* (3-3) Hill
Monday, Wednesday, and Friday, 5.10 p.m. Summer Sessions
1931 (2): Political Science 181, daily except Saturday, 6.10 p.m.
- 191 *The Near East* (3) Johnstone
Tuesday, Thursday, and Saturday, 9.10 a.m.
- 192 *The Far East* (3) Johnstone, Ogg
Tuesday, Thursday, and Saturday, 9.10 a.m. Summer Sessions
1931 (2): daily except Saturday, 10.40 a.m.
- 195-96 *Political Institutions of Hispanic-America* (3-3) Wilgus
Monday, Wednesday, and Friday, 9.10 a.m. Summer Sessions
1931 (3): daily except Saturday, 7.40 a.m. (listed as Political
Science S194).

THIRD GROUP

- 209-10 *Seminar* (3-3) West
Tuesday, 6.10 to 7.50 p.m. Summer Sessions 1931 (3): Political
Science 209, Tuesday and Thursday, 7.30 p.m.
- 281-82 *Seminar in International Law and Relations* (3-3) Hill
Monday, 8.00 to 10.00 p.m.

PSYCHOLOGY

Fred August Moss, Ph.D., M.D., *Professor of Psychology, Executive Officer.*
 Thelma Hunt, Ph.D., *Assistant Professor of Psychology.*
 William Middleton, A.M., *Lecturer in Psychology.*
 William Moore Loman, A.M., *Lecturer in Psychology.*
 Katharine Tait Omwake, Ph.D., *Visiting Lecturer in Psychology.*
 Henry Furness Hubbard, A.M., *Instructor in Psychology.*

Minimum requirements for the major: twenty-four semester-hours, exclusive of Psychology 1 and 2. All courses must be approved by the Executive Officer.

FIRST GROUP

- 1 *General Psychology* (3) Moss, Hunt, Omwake
 The fundamental principles underlying human behavior. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Tuesday, Thursday, and Saturday, 11.10 a.m. Section C, Monday, Wednesday, and Friday, 1.10 p.m. Section D, Monday, Wednesday, and Friday, 5.10 p.m. Section E, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 5.10 p.m.
- 2 *Applied Psychology* (3) Moss, Hunt, Omwake
 The application of Psychology in business, industry, law, medicine, and education. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Tuesday, Thursday, and Saturday, 11.10 a.m. Section C, Monday, Wednesday, and Friday, 1.10 p.m. Section D, Monday, Wednesday, and Friday, 5.10 p.m. Section E, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 6.10 p.m.
- 25 *Physiological Psychology* (3) Moss, Hubbard
 The biological foundations of behavior, both normal and abnormal, with clinics. Section A, Tuesday, Thursday, and Saturday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 6.10 p.m.
- 26 *Clinical Psychology* (3) Moss, Hubbard
 The causes, diagnosis, and treatment of the various types of mental disorders, together with clinics. Section A, Tuesday, Thursday, and Saturday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 6.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 7.40 a.m. (listed as Psychology S115).

SECOND GROUP

- 102 *Educational Psychology* (3) Hunt
The learning process; types of learning; methods, conditions, incentives; individual differences; transfer of training. Constant reference to experimental literature. Monday, Wednesday, and Friday, 2.10 p.m.
- 104 *Psychology for Teachers* (2) Hunt, Omwake
A briefer course than 102, but parallel with it. Saturday, 11.10 a.m. to 1.00 p.m. Summer Sessions 1931 (2): daily except Saturday, 10.40 a.m. (listed as Psychology S103).
- 119 *Psychological Tests* (3) Hunt
The more common uses of psychological tests in business, industry, law, medicine, and education. Material fee, \$3.00. Monday, Wednesday, and Friday, 2.10 p.m.
- 119X *Psychological Tests* (3) Hunt
Same as Psychology 119, but given second semester. Material fee, \$3.00. Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 6.10 p.m. (listed as Psychology S120).
- 131 *Statistics in Psychology and Education* (3) Hunt
Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (2): daily except Saturday, 11.40 a.m. (listed as Psychology S132).
- 133 *Statistical Methods in Education* (2) Hunt
A briefer course than 131, but parallel with it. Saturday, 11.10 a.m. to 1.00 p.m.
- 141 *Employment Psychology* (3) Loman
The principles of job analysis, methods of selection, placement, and promotion of personnel. Instruction in the use of standardized tests and research methods in cooperation with the personnel officers in local industrial organizations. Tuesday, Thursday, and Saturday, 6.10 p.m.
- 142 *The Psychology of Advertising and Selling* (3) Loman
Tuesday, Thursday, and Saturday, 6.10 p.m.
- 159 *Social Psychology* (3) Hubbard
The principles underlying man's behavior in relation to others. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m.

- 160 *Psychology of Institutions* (3) Hubbard
Particular attention will be given to the use of psychological methods in governmental institutions. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m.
- 186 *Comparative and Animal Psychology* (3)
The evolution of animal behavior from the lowest forms to man. Monday, Wednesday, and Friday, 5.10 p.m. (Not given 1931-32.)
- 191-92 *Experimental Psychology* (3-3) Hunt
Technique and application of experimental methods in Psychology. Material fee, \$6.00 a semester. Tuesday and Saturday, 6.10 p.m. Laboratory—Thursday, 6.10 to 8.00 p.m.

THIRD GROUP

- 211-12 *Seminar* (3-3) Moss
Human nature as observed by eminent writers in the fields of the social sciences. Outstanding works will be assigned for reports by individual students. An effort will be made at the end of the course to organize the material thus presented into a comprehensive whole. Tuesday, 7.30 to 9.30 p.m.
- S211 *Seminar* (3) Middleton
A seminar in social psychology. Summer Sessions 1931: Tuesday and Thursday, 7.50 to 10.00 p.m.
- 251-52 *Test Construction* (3-3) The Staff
The principles underlying the construction and application of psychological, educational, and vocational tests, with practice in the construction of tests. During the second semester training will be given in the use of advanced statistical methods in the evaluation and standardization of tests. Thursday, 7.30 to 9.30 p.m.

PUBLIC SPEAKING

Willard Hayes Yeager, A.M., *Deputy Professor of Public Speaking, Executive Officer.*

Henry Goddard Roberts, A.M., *Assistant Professor of Public Speaking.*

Harold Friend Harding, A.M., *Assistant Professor of Public Speaking.*
 —, *Lecturer in Public Speaking.*

Minimum requirements for the major: twenty-four semester-hours, including Public Speaking 103-4, 107 or 122, and 151.

FIRST GROUP

- 1 *Principles of Effective Speaking* (3) Yeager, Roberts, Harding
 Speech composition, delivery, and how to hold the interest and attention of an audience. Short informative, persuasive, and entertaining speeches on selected topics. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 10.10 a.m. Section C, Monday, Wednesday, and Friday, 11.10 a.m. Section D, Monday, Wednesday, and Friday, 1.10 p.m. Section E, Monday, Wednesday, and Friday, 5.10 p.m. Section F, Tuesday, Thursday, and Saturday, 5.10 p.m. Section G, Monday, Wednesday, and Friday, 6.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 5.10 p.m.
- 1X *Principles of Effective Speaking* (3) Yeager, Roberts, Harding
 Same as Public Speaking 1, but given second semester. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 11.10 a.m. Section C, Tuesday, Thursday, and Saturday, 5.10 p.m.
- 4 *Business and Professional Speaking* (3) Yeager, Roberts
 Preparation and oral presentation of the principal types of business speeches; as, oral reports, sales talks, inspirational talks, discussions of policy, personal conferences. Prerequisite: Public Speaking 1. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 1.10 p.m. Section C, Monday, Wednesday, and Friday, 5.10 p.m.
- 5 *Argumentation and Debate* (3) Yeager, Roberts, Harding
 Construction and adaptation of arguments to audiences, refutation, practice debates and discussions on political,

social, and economic questions. Prerequisite: Public Speaking 1. Section A, Monday and Wednesday, 11.10 a.m. to 12.25 p.m. Section B, Tuesday and Thursday, 6.10 to 7.25 p.m.

5X *Argumentation and Debate* (3) Yeager, Roberts, Harding
Same as Public Speaking 5, but given second semester. Monday and Wednesday, 11.10 a.m. to 12.25 p.m.

8 *Oral Interpretation of Literature* (3) Yeager, Harding
Study and presentation of readings, and the analysis of literature to determine its suitability for oral presentation. Prerequisite: Public Speaking 1. Monday, Wednesday, and Friday, 10.10 a.m. Summer Sessions 1931 (3): daily except Saturday, 6.10 p.m.

SECOND GROUP

103-4 *Masters of Public Address* (3-3) Yeager
The style and methods of great orators from ancient to modern times, with particular emphasis on English and American orators and oratory. Prerequisite: six hours of Public Speaking. Monday, Wednesday, and Friday, 6.10 p.m.

107 *Persuasion and Forms of Public Address* (3) Roberts
Persuasive techniques. Inaugural, dedicatory, political, and business addresses. Prerequisite: Public Speaking 4. Monday, Wednesday, and Friday, 11.10 a.m.

122 *Advanced Debate* (3) Yeager
Logical theory and its application to statements of fact; debate strategy; a study of great debates; practice discussions on political and legal subjects. Prerequisite: Public Speaking 5. Monday and Wednesday, 11.10 a.m. to 12.25 p.m.

125-26 *Advanced Debate Practice* (1-1) Yeager, Roberts, Harding
For advanced and skilled debaters. Practice debates on political, economic, and social questions before actual audiences. Prerequisite: permission of the instructor. Tuesday, 1.10 p.m.

127-28 *Advanced Debate Practice* (1-1) Yeager, Roberts, Harding
Prerequisite: Public Speaking 125-26. Tuesday, 1.10 p.m.

151-52 *Dramatic Art and Play Production* (3-3)
The drama; history, types, structure. Play production: acting, stagecraft, lighting, costume design, make-up, directing, speech. Plays will be produced for public presentation.

Material fee, \$6.00 a semester. Prerequisite: Public Speaking 8 or permission of the instructor Tuesday and Thursday, 6.10 to 7.25 p.m.

- 159 *Oral Methods in Education* (2) Yeager
Summer Sessions 1931: daily except Saturday, 10.40 a.m.

THIRD GROUP

- 221-22 *Studies in English and American Oratory* (3-3) Yeager
Hours to be arranged.

- 241-42 *Problems in Persuasion and Business Speech* (3-3) Yeager
(Not given 1931-32.)

ROMANCE LANGUAGES

- *George Neely Henning, A.M., Litt.D., *Professor of Romance Languages.*
 Henry Grattan Doyle, A.M., *Professor of Romance Languages.*
 Cecil Knight Jones, B.Litt., *Professorial Lecturer on Spanish-American Literature.*
 Merle Irving Protzman, A.M., *Associate Professor of Romance Languages, Executive Officer.*
 Alan Thomas Deibert, A.M., *Assistant Professor of Romance Languages.*
 James Christopher Corliss, A.M., *Assistant Professor of Romance Languages.*
 Irene Cornwell, Ph.D., *Assistant Professor of Romance Languages.*
 Wilfred Phelps Thomas, Ph.D., *Assistant Professor of Romance Languages.*
 Alexander H. Krappe, Ph.D., *Assistant Professor of Romance Languages.*
 Franc Paul Gaston Thénau, A.M., *Instructor in Romance Languages.*
 Charles Frederick Kramer, jr., A.M., *Associate in French.*
 André-Marie-Georges Benéteau, Ph.D., *Associate in French.*
 Hector Lazo, A.B., *Associate in Spanish.*

Minimum requirements for the major: French—twenty-four semester-hours from second- or third-group courses, except 107-8. Spanish—twenty-four semester-hours from second- or third-group courses, except 107-8. Romance languages—twelve semester-hours from second- or third-group courses, except 107-8, in one of the above, and twelve semester-hours from second- or third-group courses in the other.

Note: Examinations for the purpose of waiving required courses in French and Spanish, as provided on pages 95 and 110, will be both oral and written. Candidates for these examinations should consult the Executive Officer of the Department prior to the date of examination.

FRENCH

FIRST GROUP

†1-2 *Beginning French* (3-3)

Grammar, translation, pronunciation.
 Wednesday, and Friday, 9.10 a.m.
 Wednesday, and Friday, 2.10 p.m.
 Wednesday, and Friday, 5.10 p.m.
 Wednesday, and Friday, 6.10 p.m.

Thomas and Staff

Section A, Monday,
 Section B, Monday,
 Section C, Monday,
 Section D, Monday,
 Section E, Tuesday,

* On sabbatical leave 1931-32.

Thursday, and Saturday, 9.10 a.m. Section F, Tuesday, Thursday, and Saturday, 5.10 p.m. Section G, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3-3): French 1-2, daily except Saturday, 5.10 to 6.00 and 7.10 to 8.00 p.m.; French 2, daily except Saturday, 6.10 p.m.

1X *Beginning French* (3)

Thomas and Staff

Same as French 1, but given second semester. Hours to be announced. (French 2X is given in the Summer Sessions.)

†5-6 *Intermediate French* (3-3)

Cornwell and Staff

Reading of modern French; detailed grammar review; oral practice. Prerequisite: French 1-2 or two years of high-school French. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 11.10 a.m. Section C, Monday, Wednesday, and Friday, 2.10 p.m. Section D, Monday, Wednesday, and Friday, 5.10 p.m. Section E, Monday, Wednesday, and Friday, 6.10 p.m. Section F, Monday, Wednesday, and Friday, 6.10 p.m. Section G, Tuesday, Thursday, and Saturday, 10.10 a.m. Section H, Tuesday, Thursday, and Saturday, 11.10 a.m. Section K, Tuesday, Thursday, and Saturday, 5.10 p.m. Section L, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 6.00 and 7.10 to 8.00 p.m.

*†7-8 *Elementary Conversation* (3-3)

Benéteau and Thénaud

Composition and conversation. Prerequisite: French 1-2 or two years of high-school French, and the permission of the instructor. Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (2): daily except Saturday, 6.10 p.m.

SECOND GROUP

*†107-8 *Advanced Conversation* (3-3)

Benéteau and Thénaud

Composition, conversation, study of style. Prerequisite: French 7-8, and the permission of the instructor. Hours to be arranged.

†115-16 *Survey of French Literature* (3-3)

Cornwell, Deibert

A general view of literature and literary background from the seventeenth to the nineteenth centuries, inclusive. Lectures, translation, collateral reading, themes, conferences. Prerequisite: French 5-6. Section A, Monday, Wednesday, and

* Neither French 7-8 nor 107-8 may be used to complete curriculum requirements of two years of modern languages, nor may they be counted towards the twenty-four-hour major requirements.

Friday, 11.10 a.m. (Section A will be conducted in French in so far as practicable.) Section B, Monday, Wednesday, and Friday, 3.10 p.m. Section C, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 6.00 and 7.10 to 8.00 p.m.

†119-20 *Literature of the Sixteenth Century* (3-3) Protzman
Origins of French classicism. Prerequisite: French 115-16. (Given in 1931-32 and alternate years thereafter.) Tuesday, Thursday, and Saturday, 5.10 p.m. (Attention is called to History 145.)

†121-22 *Literature of the Seventeenth Century* (3-3) Protzman
History, philosophy, criticism, memoirs, letters, eloquence, drama, fiction, poetry. Translation, collateral reading and reports thereon, lectures on history and literature. Prerequisite: French 115-16. (Given in 1931-32 and alternate years thereafter.) Monday, Wednesday, and Friday, 5.10 p.m.

†123-24 *Literature of the Eighteenth Century* (3-3) Deibert
History, philosophy, letters, drama, fiction, poetry. Lectures, translation, collateral reading, and themes. Prerequisite: French 115-16. Tuesday, Thursday, and Saturday, 5.10 p.m. (Given in 1932-33 and alternate years thereafter.)

†125-26 *The Romantic Movement* (3-3) Henning
History, criticism, travels, fiction, drama, lyric poetry. Translation, collateral reading and reports thereon, lectures on literature and history. Prerequisite: French 115-16. Monday, Wednesday, and Friday, 5.10 p.m. (Given in 1932-33 and alternate years thereafter.)

†127-28 *Literature of the Nineteenth and Twentieth Centuries* (3-3) Thomas
History, philosophy, criticism, fiction, drama, lyric poetry. Prerequisite: French 115-16. Monday, Wednesday, and Friday, 11.10 a.m. (Given in 1931-32 and alternate years thereafter.)

†129-30 *French Drama* (3-3)
The French drama, beginning in the medieval period and coming to contemporary plays. Translation, collateral reading, lectures. Prerequisite: French 115-16. Tuesday, Thursday, and Saturday, 4.10 p.m. (Not given 1931-32.)

†139-40 *Modern Fiction* (3-3) Henning
The French novel and short story from the beginning of

the nineteenth century to the present. Translation, collateral reading, lectures. Prerequisite: French 115-16. Monday, Wednesday, and Friday, 11.10 a.m. (Given in 1932-33 and alternate years thereafter.)

THIRD GROUP

†249-50 *Seminar in Old French* (3-3) Doyle
Phonology and morphology of Old French. French literature to the end of the thirteenth century. Prerequisites: elementary knowledge of Latin and any second-group course in French literature. Hours to be arranged. (Given in 1931-32 and alternate years thereafter.)

†251-52 *Seminar in Middle French* (3-3) Doyle
French language and literature of the fourteenth and fifteenth centuries. Prerequisite: French 249-50. Hours to be arranged. (Given in 1932-33 and alternate years thereafter.)

SPANISH

FIRST GROUP

†1-2 *Beginning Spanish* (3-3) Deibert and Staff
Grammar, translation, pronunciation. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 2.10 p.m. Section C, Monday, Wednesday, and Friday, 5.10 p.m. Section D, Monday, Wednesday, and Friday, 6.10 p.m. Section E, Tuesday, Thursday, and Saturday, 11.10 a.m. Section F, Tuesday, Thursday, and Friday, 6.10 p.m. Summer Sessions 1931 (3-3): Spanish 1-2, daily except Saturday, 5.10 to 6.00 and 7.10 to 8.00 p.m.; Spanish 2, daily except Saturday, 6.10 p.m.

1X *Beginning Spanish* (3) Deibert and Staff
Same as Spanish 1, but given second semester. Hours to be announced. (Spanish 2X is given in the Summer Sessions.)

†5-6 *Intermediate Spanish* (3-3) Corliss and Staff
Grammar review, composition, translation of modern prose and poetry, collateral reading. Prerequisite: Spanish 1-2 or two years of high-school Spanish. Section A, Monday, Wednesday, and Friday, 10.10 a.m. Section B, Monday, Wednesday, and Friday, 1.10 p.m. Section C, Monday, Wednesday, and Friday, 5.10 p.m. Section D, Monday, Wednesday, and Friday, 6.10 p.m. Section E, Tuesday,

Thursday, and Saturday, 10.10 a.m. Section F, Tuesday, Thursday and Saturday, 5.10 p.m. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 6.00 and 7.10 to 8.00 p.m.

- *†7-8 *Elementary Conversation* (3-3) Lazo
Composition and conversation. Prerequisite: Spanish 1-2 or two years of high-school Spanish. Tuesday, Thursday, and Saturday, 5.10 p.m. Summer Sessions 1931 (2): daily except Saturday, 6.10 p.m.

SECOND GROUP

- *†107-8 *Advanced Conversation* (3-3)
Composition, conversation, study of style. Prerequisite: Spanish 7-8. Hours to be arranged.
- †115-16 *Survey of Spanish Literature* (3-3) Krappe, Corliss
A general study of Spanish literature. Lectures, translation, outside reading, and reports. Prerequisite: Spanish 5-6 or four years of high-school Spanish. Section A, Monday, Wednesday, and Friday, 11.10 a.m. Section B, Tuesday, Thursday, and Saturday, 6.10 p.m. Summer Sessions 1931 (3-3): daily except Saturday, 5.10 to 6.00 and 7.10 to 8.00 p.m.
- †121-22 *Spanish Literature of the Golden Age* (3-3) Krappe
Cervantes, Lope de Vega, Calderon; the classic Spanish drama; origins and rise of the novel; the ballad; lyric poetry. Prerequisite: Spanish 115-16. Monday, Wednesday, and Friday, 5.10 p.m. (Given in 1931-32 and alternate years thereafter.)
- †125-26 *Spanish Literature since the Eighteenth Century* (3-3) Doyle
Development of modern drama, the novel, and poetry. Contemporary writers. Prerequisite: Spanish 115-16. Monday, Wednesday, and Friday, 5.10 p.m. (Given in 1932-33 and alternate years thereafter.)
- †127-28 *Spanish-American Literature* (3-3) Doyle
Study of the leading critics, essayists, historians, novelists, poets, and dramatists of Spanish America. Prerequisite: Spanish 115-16. Tuesday, Thursday, and Saturday, 11.10 a.m. (Given in 1931-32 and alternate years thereafter.)
- 129 *The Literature of Argentina and Uruguay* (3) Jones
A study of literary attraction and influences. Prerequisite: Spanish 115-16. Tuesday, Thursday, and Saturday, 6.10 p.m.

* Neither Spanish 7-8 nor 107-8 may be used to complete the curriculum requirements of two years of modern languages, nor may they be counted towards the twenty-four-hour major requirements.

- 130 *The Modernist Movement in Spanish America* (3) Jones
A study of the French and Spanish background and the chief American exponents of the movement. Prerequisite: Spanish 115-16. Tuesday, Thursday, and Saturday, 6.10 p.m.
- 175 *The Teaching of Romance Languages* (2) Doyle
Summer Sessions 1931: daily except Saturday, 11.40 a.m.

THIRD GROUP

- †225-26 *Seminar in Spanish Literature* (3-3) Jones
A study of some phase of Spanish literature. The topic for 1931-32 will be Spanish Romanticism. Prerequisite: any second-group course in Spanish. Hours to be arranged.
- †227-28 *Seminar in Spanish-American Literature* (3-3) Jones
A study of some phase of Spanish-American literature. Prerequisite: any second-group course in Spanish. It is strongly recommended that Spanish 127-28 be used to fulfil this prerequisite. Hours to be arranged. (Given in 1932-33 and alternate years thereafter.)
- †249-50 *Seminar in Old Spanish* (3-3) Doyle
Phonology, morphology, literature. Prerequisite: elementary knowledge of Latin and any second-group course in Spanish literature. Hours to be arranged. (Given in 1932-33 and alternate years thereafter.)

SOCIOLOGY

Robert Russ Kern, A.B., *Professor of Urban Sociology.*

Dudley Wilson Willard, Ph.D., *Professor of Sociology, Executive Officer.*

Elwood Street, A.M., *Lecturer in Sociology.*

J. Blaine Gwin, A.B., *Lecturer in Sociology.*

Minimum requirements for the major: Sociology 27-28, Anthropology 121-22, and fourteen additional hours in Sociology.

- 27 *Principles of Sociology* (3) Willard
Factors underlying organized society and social change; the genesis of group behavior and personality. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m. Summer Sessions 1931 (3): daily except Saturday, 5.10 p.m.
- 28 *Social Organization* (3) Willard
Principles underlying the structure and development of custom, institutions, communities, and social classes; processes of organization, disorganization, and problems of social control. Section A, Monday, Wednesday, and Friday, 9.10 a.m. Section B, Monday, Wednesday, and Friday, 5.10 p.m. Summer Sessions 1931: see Sociology 126, below.
- 111 *Social Backgrounds of Education* (3) Willard
Social change and problems of educational adaptation; the school as a community institution; social aspects of school control, personnel, curricula, universal schooling, and the costs of education. Monday, Wednesday, and Friday, 6.10 p.m. Summer Sessions 1931 (2): daily except Saturday, 10.40 a.m. (listed as Sociology S119).
- 114 *Sociology of the Professions* (3) Willard
Social factors in the demand and supply of professional personnel; in the development of professional organization; social functions of the professions, including law, medicine, education, and others. Monday, Wednesday, and Friday, 6.10 p.m.
- 116 *Public Welfare Administration* (3) Willard
History, trends, and current problems in government welfare work, local, State, and National. Monday, Wednesday, and Friday, 6.10 p.m. (Not given 1931-32.)

- 126 *Social Organization* (3) Willard
A review of Sociology 28, with special attention to community life. A general course for students with some training in Sociology. Summer Sessions 1931 (3): daily except Saturday, 6.10 p.m.
- 135-36 *Experimental Sociology* (3-3) Kern
Social behavior, customs, and social judgments upon such behavior. The student is expected to join the class in making careful observations of social conduct and in making a series of experiments adapted to the development of a better understanding and improved techniques for the control of social conduct. Monday, Wednesday, and Friday, 6.10 p.m.
- 147 *Urban Sociology* (3) Kern
Historical growth of cities. Location of cities; causes of growth of cities. Influence of the city upon the cultural life of the city population. Monday, Wednesday, and Friday, 11.10 a.m.
- 148 *City Planning* (3) Kern
Garden city and metropolitan city planning. Principles of zoning. Facilities for recreation, health, beauty. Housing, the street system, transportation, the distribution system. Monday, Wednesday, and Friday, 11.10 a.m.
- 155 *Principles of Social Case Work* (3) Gwin
An introduction to the basic processes of case work; techniques of investigation, diagnosis, treatment, methods of interview, record writing, case-work publicity, committee work and organization relationships. Prerequisite: Sociology, 27-28 or case-work experience. Tuesday and Thursday, 6.10 to 7.30 p.m.
- 156 *Problems of Social Case Work* (3) Gwin
Study of types of problem cases, with emphasis upon evaluation and criticism of handling. Prerequisite: Sociology 155 or case-work experience. Tuesday and Thursday, 6.10 to 7.30 p.m.
- 165 *Administration of Social Work* (3) Street
The organization, constitution, staffing, functions, and duties of personnel and committees; the financing, housing, equipping, managing, and the public and cooperative relations of social agencies. There will be lectures, discussions, readings, and visits to selected social agencies by the class. Prerequisite: Sociology 27-28 or social-work experience. Wednesday, 7.10 to 9.00 p.m., and field work to be arranged.

- 166 *History of Social Work* (3) Street
The principles and practices of charity from earlier stages to the present time, with study projects of members of the class devoted to the history of selected Washington charities. Prerequisite: Sociology 27-28 or social-work experience. (Not given 1931-32.)
- 167 *Community Organization* (3) Street
The history of the community organization movement; recent trends in community organization; problems of community organization in Washington. Wednesday, 7.10 to 9.00 p.m., and field work to be arranged.
- 173 *Crime and Delinquency* (3) Willard
Prevalence and probable causes of crime and delinquency; the criminal and delinquent as persons; methods of crime prevention, and the treatment of the criminal; problems of law-enforcement and social control. Monday, Wednesday, and Friday, 10.10 a.m.
- 176 *The Modern Family* (3) Willard
Modern changes in the form and function of family life related to contemporary social change; problems of personal adjustment in the family relationship; of the changing status of women and children; of the rehabilitation and control of family life. Monday, Wednesday, and Friday, 10.10 a.m.
- 177-78 *Population Problems* (3-3)
Theories of population change; recent population trends; relations of population to living standards, health, social institutions, and general well-being; theories of population control. Tuesday, Thursday, and Saturday, 9.10 a.m. (Not given 1931-32.)
- 261-62 *Sociology Seminar* (3-3) Willard
Hours to be arranged.

SURGERY

- Francis Randall Hagner, M.D., *Professor of Urology.*
 Custis Lee Hall, M.D., *Professor of Orthopedic Surgery.*
 William Thornwall Davis, M.D., *Professor of Ophthalmology.*
 Charles Stanley White, M.D., *Professor of Surgery, Executive Officer.*
 Daniel LeRay Borden, A.M., M.D., *Professor of Surgery.*
 Cline N. Chipman, M.D., *Professor of Anesthesia.*
 John Joseph Shugrue, B.S., M.D., *Professor of Neurological Surgery.*
 Claude Moore, M.D., *Professor of Roentgenology.*
 Aurelius Rives Shands, M.D., *Clinical Professor of Orthopedic Surgery.*
 Arthur Carlisle Christie, M.S., M.D., *Clinical Professor of Roentgenology.*
 Henry Walper Kearney, M.D., *Clinical Professor of Anesthesia.*
 Harry Hyland Kerr, M.D.C.M., *Clinical Professor of Surgery.*
 Thomas Allen Groover, M.D., Sc.D., *Clinical Professor of Roentgenology.*
 William Berry Marbury, M.D., *Clinical Professor of Surgery.*
 Frederick August Reuter, M.D., *Clinical Professor of Urology.*
 James Fernandez Mitchell, A.B., M.D., *Clinical Professor of Surgery.*
 Homer Gifford Fuller, Ph.B., M.D., *Clinical Professor of Urology.*
 Joseph Borrows Bogan, M.D., *Clinical Professor of Anesthesia.*
 Charles Wilbur Hyde, M.D., *Clinical Professor of Anesthesia.*
 William Hite Hough, Ph.D., M.D., *Clinical Professor of Syphilology.*
 Paul Sterling Putzki, M.D., *Clinical Professor of Surgery.*
 Arch Lockhart Riddick, A.B., M.D., *Clinical Professor of Surgery.*
 Guy Whitman Leadbetter, B.S., M.D., *Clinical Professor of Surgery.*
 William Warren Sager, M.S., M.D., *Clinical Professor of Surgery.*
 Albert Perkins Tibbets, A.B., M.D., *Clinical Professor of Otolaryngology.*
 Otto Nellis Warner, M.D., *Associate in Anesthesia.*
 Ralph Stevens Pendexter, LL.B., M.D., *Associate in Ophthalmology.*
 John Hugh Lyons, M.S., M.D., *Associate in Surgery.*
 Francis George Speidel, M.D., *Associate in Anesthesia.*
 Herbert Hermann Schoenfeld, M.D., *Clinical Associate in Surgery.*
 Harold Walter Krogh, D.D.S., *Clinical Associate in Dental Surgery.*
 Lyle Millan Mason, M.D., *Clinical Associate in Urology.*
 Jesse Thomas Mann, M.D., *Instructor in Anesthesia.*
 Joseph Kreiselman, M.D., *Instructor in Anesthesia.*

- Eugene Lyman LeMerle, D.D.S., M.D., *Instructor in Anesthesia.*
Philip O. Pelland, M.D., *Instructor in Surgery.*
John Ogle Warfield, jr., A.M., M.D., *Instructor in Surgery.*
Boyce Richardson Bolton, M.D., *Clinical Instructor in Otolaryngology.*
Benjamin Franklin Dean, jr., M.D., *Clinical Instructor in Surgery.*
Richard Laurens DeSaussure, M.D., *Clinical Instructor in Otolaryngology.*
James McNellidge Fadeley, M.D., *Clinical Instructor in Urology.*
William Dennis Goodman, M.D., *Clinical Instructor in Urology.*
Edward Richard Gookin, M.D., *Clinical Instructor in Ophthalmology.*
Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery.*
Myer Jerome Herschman, M.D., *Clinical Instructor in Urology.*
Daniel Bruce Moffett, A.B., M.D., *Clinical Instructor in Otolaryngology.*
Benjamin Newhouse, M.D., *Clinical Instructor in Urology.*
Charles Otterbein Knott, M.D., *Clinical Instructor in Urology.*
LeRoy Lee Sawyer, jr., A.B., M.D., *Clinical Instructor in Otolaryngology.*
David Davis, A.B., M.D., *Clinical Instructor in Bronchoscopy.*
Aubrey David Fischer, M.D., *Clinical Instructor in Otolaryngology.*
James Houston Hawfield, M.D., *Clinical Instructor in Surgery.*
Bernard Lipscomb Jarman, M.D., *Clinical Instructor in Otolaryngology.*
Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery.*
Don R. Johnson, LL.B., M.D., *Clinical Instructor in Otolaryngology.*
Don Sweet Knowlton, B.S., M.D., *Clinical Instructor in Otolaryngology.*
Frank Marks McChesney, M.D., *Clinical Instructor in Anesthesia.*
Edward Bailey Macon, M.D., *Clinical Instructor in Anesthesia.*
Miles Parker Omohundro, M.D., *Clinical Instructor in Urology.*
Howard Lee Smith, M.D., *Clinical Instructor in Surgery.*
Richard Knight Thompson, D.D.S., *Clinical Instructor in Dental Surgery.*
Thomas Carlton Thompson, B.S., M.D., *Clinical Instructor in Urology.*
Charles Louis Billard, M.D., *Clinical Instructor in Ophthalmology.*
William Thompson Burch, M.D., *Clinical Instructor in Bronchoscopy.*
Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery.*
Alan Jeffries Chenery, M.D., *Clinical Instructor in Urology.*
Elizabeth Emery Chickering, M.D., *Clinical Instructor in Anesthesia.*
Hazen Eugene Cole, M.D., *Clinical Instructor in Surgery.*
Harry Kaplan, D.D.S., *Clinical Instructor in Dental Surgery.*
Joseph Ernest Mitchell, M.D., *Clinical Instructor in Urology.*
George Victor Simpson, M.D., *Clinical Instructor in Ophthalmology.*

- Emil Henry Sloan, D.D.S., *Clinical Instructor in Dental Surgery.*
 James Alexander Smart, M.D., *Clinical Instructor in Otolaryngology.*
 William J. Snow, B.S., M.D., *Clinical Instructor in Ophthalmology.*
 Xavierius Charles Suraci, M.D., *Clinical Instructor in Anesthesia.*
 E. Osmun Barr, M.D., *Clinical Instructor in Surgery.*
 Frederick Leslie Benton, A.M., M.D., Sc.D., *Clinical Instructor in Ophthalmology.*
 Elliott Muse Campbell, M.D., *Clinical Instructor in Surgery.*
 William Wiley Chase, A.B., M.D., *Clinical Instructor in Surgery.*
 Frederick Coleman Fishback, M.D., *Clinical Instructor in Surgery.*
 Valentine Martin Hess, M.D., *Clinical Instructor in Surgery.*
 Alec Horwitz, M.S., M.D., *Clinical Instructor in Surgery.*
 Charles Perry Howze, M.D., *Clinical Instructor in Urology.*
 Wilford Nephi Johannessen, D.D.S., *Clinical Instructor in Dental Surgery.*
 William Dulaney Monroe, jr., D.D.S., *Clinical Instructor in Oral Surgery.*
 Julius S. Neviaser, A.B., M.D., *Clinical Instructor in Orthopedic Surgery.*
 Gilbert Ottenberg, A.M., M.D., *Clinical Instructor in Urology.*
 Ernest Alfred Watson Sheppard, M.D.C.M., *Clinical Instructor in Ophthalmology.*
 Walter Raymond Stokes, LL.B., M.D., *Clinical Instructor in Surgery.*
 Samuel Ross Taggart, M.D., *Clinical Instructor in Surgery.*
 Lyman Brooke Tibbets, Phar.D., M.D., *Clinical Instructor in Otolaryngology.*
 John H. Trinder, M.D., *Clinical Instructor in Otolaryngology.*

Minimum requirements for the degree: 606 hours

153-54 *Surgical Technique* (22-22)

Marbury

This course covers the principles of Surgery, antisepsis and asepsis, the use of surgical instruments, appliances, sutures, bandages and dressings, and the technique of minor surgical procedures. One hour a week in the first and second trimesters of the third year.

201-6 *Surgical Clinics* (313-0)

Surgical Clinical Staff

Dispensary, amphitheater, bedside, and ward-round instruction in the practice and principles of Surgery. Instruction of small groups is given in General Surgery and the specialties, including Anesthesia, Neuro-surgery, Ophthalmology, Otolaryngology, Orthopedics, Roentgenology, Urology, Proctology, and Oral Surgery. Daily throughout the third and fourth years.

- 221-26 *General Surgery* (126-126) White, D. L. Borden, Putzki, Riddick, Marbury, Leadbetter, Dean, Krogh
Course of lectures and recitations covering General Surgery as applied to the neck, thorax, gastro-intestinal tract, and the bones and skeletal muscles. Two hours a week throughout the third and fourth years. (Clinical hours are included in the hour schedule of surgical clinics.)
- 233-34 *Roentgenology** (21-21) Moore, Groover, Christie
The course consists of lectures and demonstrations, both practical and theoretical. Fully equipped roentgen laboratories are maintained and utilized in the University Hospital, the Emergency Hospital, and the Gallinger Municipal Hospital. One hour a week in the second and third trimesters of the third year.
- 253 *Anesthesia* (12-12) Chipman
Theoretical and practical instruction is given in the use of general and local anesthetic agents. One hour a week in the first trimester of the third year. (Clinical hours are included in the hour schedule of surgical clinics.)
- 259-61 *Urology* (30-30) Hagner
This course consists of lectures, bedside teaching, and section clinics. One hour a week throughout the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)
- 261-62 *Orthopedics* (30-30) Hall
The course includes the etiology, pathology, symptomology, and treatment of congenital and acquired diseases of the bones and joints, and the clinical instruction in the treatment and application of appliances for the correction of deformities. One hour a week throughout the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)
- 265-66 *Ophthalmology* (20-20) Davis
A lecture course presenting the principles of Ophthalmology, with special reference to topics of importance to the general practitioner. Two hours a week in the first trimester of the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)
- 267-68 *Otolaryngology* (16-16) Tibbets
This course comprises lectures and clinical instruction in diseases of the nasal passages, pharynx, larynx, and the ear.

One hour a week in the first sixteen weeks of the fourth year.
(Clinical hours are included in the hour schedule of surgical clinics.)

275 *Neuro-surgery* (16-16)

Shugrue

This course consists of lectures and clinical instruction in surgery of the brain and nerves. One hour a week for thirty weeks in the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)

ZOOLOGY

Paul Bartsch, Ph.D., *Professor of Zoology, Executive Officer.*
Leland Arthur Brown, Ph.D., *Associate Professor of Zoology.*
Mary Quick Bowman, A.M., *Instructor in Zoology.*
William Thomas McClosky, A.B., *Associate in Zoology.*
Charles Holcomb Popenoe, B.S., *Associate in Zoology.*
Fay Pierce Beij, A.M., *Associate in Zoology.*
Eugenia Galtsoff, *Associate in Zoology.*
Katherine Elizabeth Parker, A.M., *Associate in Zoology.*
Harriet Ellen Bundick, A.B., *Associate in Zoology.*

Minimum requirements for the major: twenty-four semester-hours of Zoology, including one of the following groups—(a) Zoology 1-2, 137, 138, 156; (b) Zoology 1-2, 53, 133-34, 151-52; (c) Zoology 1-2, 145, 146, 148. A Biological Science major may be arranged by the Executive Officers of Zoology and Botany for those desiring a combined major.

FIRST GROUP

- 1 *Introduction to Zoology* (4) Brown, Bowman, McClosky
Lectures and laboratory work introductory to the entire field of animal life. The semester is devoted to a survey of the invertebrate animal phyla, including the underlying principles of General Zoology. This course is required of all students majoring in Zoology or Biological Science. Material fee, \$6.00 a semester; breakage deposit, \$10.00. Lectures—section A, Monday and Wednesday, 5.10 p.m.; section B, Tuesday and Thursday, 11.10 a.m. Laboratory—section A, Monday and Friday, 7.10 to 9.00 p.m.; section B, Tuesday and Thursday, 9.10 to 11.00 a.m.; section C, Wednesday and Friday, 1.10 to 3.00 p.m.; section D, Wednesday and Friday, 3.10 to 5.00 p.m.; section E, Wednesday and Friday, 10.10 a.m. to 12.00; section F, Tuesday and Thursday, 1.10 to 3.00 p.m. Summer Sessions 1931 (4-4): daily except Saturday, 5.10 p.m., and 6.10 to 9.00 p.m. (listed as Zoology S3-4).
- 2 *Comparative Anatomy of Vertebrates* (4) Brown, Bowman, Beij
Lectures, demonstrations, and laboratory work to illustrate the comparative morphology and evolutionary history of vertebrate animals. Recommended as an elective for students intending to enter Medicine. Material fee, \$9.00. Prereq-

quisite: Zoology 1. Lecture—section A, Monday and Wednesday, 5.10 p.m.; section B, Tuesday and Thursday, 11.10 a.m. Laboratory—Zoology 1 sections continued.

53 *Nature Study* (2)

Bartsch, Bundick

A field course covering the range of habitat afforded by our own locality, intended to acquaint the students with living animals in their natural surroundings. Problems in ecology. Summer Sessions 1931: daily except Saturday, 7.40 to 9.30 a.m.

74 *Elementary Physiology* (3)

Brown, McClosky

Lectures and laboratory correlating the structure and function of the human body. Material fee, \$4.50; breakage deposit, \$5.00. Prerequisite: Zoology 1. Lecture—Wednesday, 10.10 a.m. Laboratory—Tuesday and Thursday, 1.10 to 3.00 p.m.

SECOND GROUP

127 *Heredity* (3)

Brown

A lecture course intended to introduce the student to the field of Genetics and Eugenics. The course covers the physical basis of inheritance, the elementary laws of Heredity, and the applications of these laws to certain economic problems and to human inheritance. Prerequisite: Zoology 1-2 or Botany 1-2. Monday, Wednesday, and Friday, 6.10 p.m.

133-34 *Ornithology* (2-2)

Bartsch

A course intended to familiarize the student with the birds of eastern North America. One lecture and one two-hour laboratory period. Lecture—Friday, 6.10 p.m. Laboratory—in the National Museum; hours to be arranged.

137 *Histology* (3)

Bartsch, Galtsoff

This course familiarizes the student with histologic technique, the elementary tissues, and the microscopic structure of the various organs and systems. It lays a foundation for an understanding of Physiology and Embryology. Material fee, \$4.50; breakage deposit, \$10.00. Prerequisite: Zoology 1-2. Lecture—Friday, 5.10 p.m. Laboratory—section A, Monday and Wednesday, 5.10 to 7.00 p.m.; section B, Tuesday and Thursday, 10.10 a.m. to 12.00. Summer Sessions 1931 (3): daily except Saturday, 6.10 p.m. (listed as Zoology S136).

138 *Histologic Technique* (3)

Bartsch, Galtsoff

This course provides instruction in the various methods of

preparing tissues for sectioning, staining, and permanent preservation. Material fee, \$9.00. Prerequisite: Zoology 137. Lecture—Wednesday, 5.10 p.m. Laboratory—Monday and Friday, 5.10 to 7.00 p.m.

- 140 *Physiology* (3) McClosky
A course consisting of lectures, laboratory, reports, and discussions of the more important phases of animal activity. Material fee, \$4.50; breakage deposit, \$5.00. Prerequisite: Zoology 137. Lecture—Wednesday, 5.10 p.m. Laboratory—Monday and Friday, 5.10 to 7.00 p.m.
- 141-42 *Cytology* (3-3) Bowman
See Botany 115-16.
- 145 *Bacteriology* (6) Hunter
General Bacteriology; bacteriological technique; preparation of culture media; methods of sterilization and disinfection; a consideration of about ten non-pathogenic and fifty pathogenic bacteria; preparation of vaccines and sera commonly employed in diagnosis. Moulds, yeast, spoilage of food, and contamination of water are also considered. Course fee, \$60.00; breakage deposit, \$10.00. Monday, Wednesday, and Friday, 7.30 to 10.30 p.m.
- 146 *Clinical Microscopy and Parasitology* (3) Hunter
Blood-counting technique, hemoglobin estimation, and recognition of blood parasites. Study of normal and pathologic urine sediments, sputum, spinal fluid, stomach contents, feces, including animal parasites. Prerequisite: Zoology 1-2. Course fee, \$40.00; breakage deposit, \$10.00. Monday, Wednesday, and Friday, 7.30 to 10.30 p.m.
- 148 *Pathology and Pathologic Technique* (3) Hunter
A resume of normal Histology and Embryology, followed by a study of the inflammation, repair, degenerations, the effect of plant and animal parasites of physical and chemical agents, and the formation of new growths. Laboratory training in preservation, fixation, sectioning, staining, mounting of pathologic tissues, and their microscopic study. Prerequisite: Zoology 137. Course fee, \$40.00; breakage deposit, \$10.00. Monday, Wednesday, and Friday, 7.30 to 10.30 p.m.
- 151-52 *Entomology* (3-3) Popenoe
Lectures: the anatomy, life history, and habits of insects representing the various orders and more important families of the class. Second term: a study of such insects as are

of importance to agriculture and health; their life history and control. Laboratory: a study of typical forms and practice in identification. Material fee, \$4.50; breakage deposit, \$10.00. Prerequisite: Zoology 1-2. Lecture—Wednesday, 5.10 p.m. Laboratory—Monday and Friday, 5.10 to 7.00 p.m.

156 *Embryology* (3)

Brown

Lectures and laboratory. The first part of the course is devoted to the general principles of maturation, fertilization, and cleavage. This is followed by a consideration of the development of the frog, chick, and pig as representative vertebrates. Material fee, \$9.00; breakage deposit, \$10.00. Prerequisite: Zoology 1-2. Lecture—Tuesday, 5.10 p.m. Laboratory hours to be announced.

186 *Genetics* (3)

Brown

The course consists of problems, experiments, assigned readings, and special lectures in Genetics. Material fee, \$6.00. Prerequisite: Zoology 127 and the consent of the instructor. Hours to be arranged.

THIRD GROUP

†251-52 *Seminar* (2-2)

Bartsch, Brown

Tuesday, 8.00 to 10.00 p.m.

†253-54 *Research*

The Staff

Students who have the necessary basic training may arrange to undertake advanced work or individual research. Hours to be arranged.



UNIVERSITY ORGANIZATIONS

ALUMNI ASSOCIATIONS

THE GENERAL ALUMNI ASSOCIATION

The objects of this Association are to unite the graduates in closer sympathy and to promote the general welfare of the University. The following persons are eligible to *active* membership: graduates of any College, School, or Division of the University; holders of honorary degrees from the University; and members of the Board of Trustees and of the Faculty of the University. Any person who has matriculated, who has been in regular attendance for one year, and who has left the University in good standing, is eligible to *associate* membership. The annual meeting is held during Commencement Week.

The office of the Executive Secretary of the Association is located at 715 Twenty-first Street NW., Washington, D.C. Alumni are urged to keep the Secretary informed of changes of address or occupation and to supply information with regard to their fellow alumni.

1930-31

President

The Honorable James McPherson Proctor, LL.B. 1904, Associate Justice, Supreme Court of the District of Columbia, Washington, D. C.

Vice Presidents

Charles Turk Bassett, D.D.S. 1904, The Farragut, Washington, D. C.

Daniel LeRay Borden, M.D. 1912, B.S. in Med. 1916, The Rochambeau, Washington, D. C.

Louis F. Bradley, Phar.D. 1899, The George Washington University School of Pharmacy.

May Paul Bradshaw, A.B. 1890, A.M. 1913, 1631 S Street, Washington, D. C.

John Howard Dellinger, A.B. 1908, 6607 Delfield Street, Chevy Chase, Md.

Selden M. Ely, LL.B. 1894, LL.M. 1895, A.B. 1908, A.M. 1909, 2918 Cortland Place, Woodley Park, Washington, D. C.

James Robert Kirkland, A.B. 1927, LL.B. 1928, LL.M. 1929, 229 Rhode Island Avenue NW., Washington, D. C.

Emilie Margaret White, A.B. 1907, A.M. 1910, 1417 Belmont Street, Washington, D. C.

Treasurer

Margaret Maize, A.B. 1928, 1652 Irving Street NW., Washington, D. C.

Assistant Treasurer

Frances Walker Fillius (Mrs. Maurice Fillius), A.B. 1927, 3220 Connecticut Avenue, Washington, D. C.

Executive Committee

Watson Davis, B.S. in C.E. 1918, C.E. 1920, Science Service, Inc., Washington, D. C.

William Thornwall Davis, M.D. 1901, 927 Farragut Square, Washington, D. C.

Lyman Dishman, LL.B. 1925, 1707 Massachusetts Avenue, Washington, D. C.

Jessie Fant Evans (Mrs. Joshua Evans, jr.), A.B. 1913, 3405 Lowell Street, Washington, D. C.

William P. Herbst, Phar.D. 1889, 2500 Pennsylvania Avenue, Washington, D. C.

Herbert C. Hopkins, D.D.S. 1908, 826 Connecticut Avenue, Washington, D. C.

Frank A. Hornaday, B.S. 1907, M.D. 1910, M.S. 1928, The Mayflower, Washington, D. C.

Oscar Benwood Hunter, M.D. 1912, A.B. 1916, A.M. 1917, The George Washington University Hospital.

Sterling V. Mead, D.D.S. 1917, 1149 Sixteenth Street NW., Washington, D. C.

Ernest C. Ruebsam, C.E. 1892, Union Trust Building, Washington, D. C.

Ethel Summy, A.B. 1918, A.M. 1928, 1606 Hobart Street, Washington, D. C.

Douglas Tschiffely, Phar.D. 1910, 1203 Connecticut Avenue, Washington, D. C.

Ermyntrode Vaiden, A.B. 1927, A.M. 1931, 1424 Iris Street, Washington, D. C.

The Honorable Alfred Adams Wheat, LL.B. 1891, Chief Justice, Supreme Court of the District of Columbia, Washington, D. C.

Frank A. Woodward, B.S. in M.E. 1917, Gordon Junior High School, Washington, D. C.

Executive Secretary

Marcelle LeMénager, A.B. 1928, The University.

THE COLUMBIAN-GEORGE WASHINGTON LAW SCHOOL
ASSOCIATION

The Columbian-George Washington Law School Association is the organization of graduates of the University Law School. Its purposes, as stated in the constitution, are: (1) to promote high standards of legal

education; (2) to keep the alumni of the Law School in closer touch with one another and especially with members of their own classes; (3) to gather and publish at intervals information as to the whereabouts and activities of these alumni; and (4) to further the interests of the Law School.

1930-31

President

The Honorable Alfred A. Wheat, LL.B. 1891, Chief Justice, Supreme Court of the District of Columbia, Washington, D. C.

Vice Presidents

William L. Symons, LL.B. 1895, LL.M. 1898, McLachlen Building, Washington, D. C.

Clarence A. Miller, LL.B. 1919, LL.M. 1921, Union Trust Building, Washington, D. C.

Paul E. Shorb, LL.B. 1920, Union Trust Building, Washington, D. C.

Treasurer

George W. Dalzell, LL.B. 1897, LL.M. 1898, Wilkins Building, Washington, D. C.

Secretary

Helen Newman, LL.B. 1925, LL.M. 1927, The University.

Executive Committee

Olive Geiger, LL.B. 1921, Bond Building, Washington, D. C.

Frederick C. Dezendorf, LL.B. 1892, 1615 Kenyon Street, Washington, D. C.

H. Clay Espey, LL.B. 1923, LL.M. 1924, 1103 Vermont Avenue, Washington, D. C.

THE GEORGE WASHINGTON UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905 by alumni of the School of Medicine. Its purposes are to cultivate more friendly relations between the alumni and members of the Faculty by means of social gatherings; to advance medical science; and to further the interests of the University in general.

1930-31

President

William Thornwall Davis, M.D. 1901, 927 Farragut Square, Washington, D. C.

Vice President

John Reed, M.D. 1922, A.B. 1928, 1720 Connecticut Avenue, Washington, D. C.

Secretary

H. Lynn Colvin, M.D. 1927, 1029 Vermont Avenue, Washington, D. C.

Treasurer

W. Raymond Thomas, M.D. 1925, 3023 Fourteenth Street, Washington, D. C.

REGIONAL ASSOCIATIONS

1930-31

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF CHICAGO

President

Colonel Gordon Strong, LL.B. 1890, LL.M. 1894, The Republic, Chicago, Ill.

Secretary

Colonel Howard Wilkinson Hodgkins, B.S. in C.E. 1913, LL.B. 1916, First National Bank Building, Chicago, Ill.

Treasurer

Roy C. Osgood, LL.B. 1903, First Trust Savings Bank, Chicago, Ill.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB
OF KANSAS CITY, MISSOURI*President*

Edward L. Scheufler, A.B. 1922, LL.B. 1924, 1501-2 Commerce Building, Kansas City, Mo.

Vice President

C. Earl Hovey, Federal Reserve Bank Building, Kansas City, Mo.

Secretary

Conger R. Smith, LL.B. 1911, Grand Avenue Temple Building, Kansas City, Mo.

Treasurer

Albert F. Hillix, LL.B. 1924, 1112 Commerce Building, Kansas City, Mo.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB
OF LOS ANGELES

President

Judge Charles Edmund Haas, Courthouse, Los Angeles, Calif.

Secretary

Mrs. David R. Covell, 1217 Milan Avenue, South Pasadena, Calif.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF NEW YORK

President

Brigadier General Avery D. Andrews, LL.B. 1891, 440 Park Avenue, New York City.

Vice Presidents

Harry T. Newcomb, LL.B. 1891, LL.M. 1892, 32 Nassau Street, New York City.

Fritz v. Briesen, LL.M. 1901, D.C.L. 1902, 50 Church Street, New York City.

Secretary

Leonard Day, LL.B. 1905, M.P.L. 1905, 38 Park Row, New York City.

Treasurer

Wallace D. McLean, LL.B. 1898, 469 Fifth Avenue, New York City.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB
OF SAN FRANCISCO

President

F. Howard Seely, B.S. 1888, 57 Post Street, San Francisco, Calif.

Secretary

Orville R. Vaughn, LL.B. 1916, 1601 Van Ness Avenue, San Francisco, Calif.

THE GEORGE WASHINGTON UNIVERSITY ALUMNI CLUB OF UTAH

President

Carl Badger, LL.B. 1906, Boston Building, Salt Lake City, Utah.

Vice President

John Jensen, LL.B. 1909, 920 Continental Bank Building, Salt Lake City, Utah.

Secretary

Edward Gallagher, A.B. 1928, Continental Bank Building, Salt Lake City, Utah.

Treasurer

James Albert Peterson, M.D. 1924, Boston Building, Salt Lake City, Utah.

THE GRADUATE ENDOWMENT FUND

The Graduate Endowment Fund was founded by the Classes of 1926 with the object of providing endowment to be used for the development of the University. Membership is limited to seniors and graduates who sign a pledge of \$100, payable annually in ten equal installments.

The pledge notes and funds are held in trust by the District National Bank in Washington, D. C. When the principal reaches the sum of \$100,000 the Board of Administrators of the Fund may pay to the University such sums as it may vote for erection of buildings, acquisition of sites, maintenance, and purchase of equipment. At no time may money be drawn so as to leave a balance of less than \$50,000 on deposit.

On request the Alumni Secretary of the University will furnish pledge blanks to alumni.

BOARD OF ADMINISTRATORS*

Margaret Maize, A.B. 1928, *Chairman*, 1652 Irving Street, Washington, D. C.

Arthur F. Johnson, M.E. 1915, 2009 Belmont Road, Washington, D. C.

Charles Laughlin, LL.B. 1929, 1707 Massachusetts Avenue, Washington, D. C.

Rowland Lyon, A.B., 1929, 209 Rosemary Street, Chevy Chase, Md.

Dorothy Ruth, A.B. 1930, 2940 Brandywine Street, Washington, D. C.

Marcelle LeMénager, A.B. 1928, *Executive Secretary*, The University.

* Elected by the subscribers.

ALLIED ASSOCIATIONS

THE COLUMBIAN WOMEN

The objects of this organization are the advancement of women by the founding of scholarships for women in the various departments of the University, and the promotion of the interests of the University in every way. Any woman who has been a regularly registered student in the University for one year; who is a member of the Faculties, Council, or Board of Trustees; who is on the Administrative Staff; or is the wife or head of the household of any member of the Faculties, Council, Board of Trustees, or the Administrative Staff, is eligible to membership.

1930-31

President

Elizabeth Orlan Cullen, M.S., 307 B Street NE., Washington, D. C.

Vice Presidents

Mrs. Edwin B. Behrend, M.S., 1854 Biltmore Street, Washington, D. C.

Virginia Diedel, LL.B., 2007 Eye Street NW., Washington, D. C.

Recording Secretary

Maxine Girts, A.B., 4707 Connecticut Avenue, Washington, D. C.

Corresponding Secretary

Marcelle LeMénager, A.B., 2308 Ashmead Place, Washington, D. C.

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Esther Foster, A.B., 3100 Connecticut Avenue, Washington, D. C.

Assistant Treasurer

Mildred Getty, A.B., Silver Spring, Md.

Historian

Mrs. Theodore M. Knappen, M.S., 2925 Tilden Street, Washington, D. C.

STUDENT ORGANIZATIONS

HONOR SOCIETIES

Alpha Lambda Delta. A national honor society for freshman women who attain a scholastic average of at least fifty per cent *A* and at least fifty per cent *B*.

Delta Sigma Rho. Debating.

Gamma Eta Zeta. Journalistic, for women.

Gate and Key. Interfraternity society.

Hourglass Honor Society. A local honor society for women for the purpose of promoting high scholarship and an interest in student affairs among the women of the University.

Omicron Delta Kappa. National honorary fraternity emphasizing leadership in extra-curricular activities.

Order of the Coif. A national honor society the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." Students are elected each year from the highest ranking ten per cent of the senior Law class.

Phi Eta Sigma. A national honor society for freshman men who attain a scholastic average of at least fifty per cent *A* and at least fifty per cent *B*.

Phi Sigma Rho. Honorary philosophic fraternity.

Pi Delta Epsilon. Journalistic, for men.

Pi Gamma Mu. National social-science honor society.

Pyramid Honor Society. A senior honor society limited to ten men annually who have maintained excellent scholarship and have distinguished themselves in the advancement of student activities.

Sigma Delta Phi. A national honor society in the "speech arts," for women.

Sigma Tau. Engineering.

Sphinx Honor Society. A women's honor society established for the purpose of promoting high scholarship. Membership is limited to seven women students who have a scholarship average twenty per cent above passing.

Theta Kappa Psi. Honorary medical society.

PROFESSIONAL FRATERNITIES FOR MEN

Phi Delta Phi (legal); *Phi Alpha Delta* (legal); *Delta Theta Phi* (legal); *Phi Chi* (medical); *Alpha Kappa Kappa* (medical); *Phi Delta Epsilon* (medical); *Phi Lambda Kappa* (medical); *Phi Delta Gamma* (forensic); *Alpha Chi Sigma* (chemical); *Scarab* (architectural); *Phi Theta Xi* (engineering); *Delta Phi Epsilon* (foreign service); *Sigma Gamma Epsilon* (geological); *Gamma Eta Gamma* (legal).

PROFESSIONAL FRATERNITIES FOR WOMEN

Phi Delta Delta (legal); Kappa Beta Pi (legal); Chi Sigma Gamma (chemical); Alpha Epsilon Iota (medical); Phi Delta Gamma (graduate sorority); Pi Phi Epsilon (foreign service).

FRATERNITIES

Sigma Chi; Kappa Sigma; Kappa Alpha; Theta Delta Chi; Phi Sigma Kappa; Delta Tau Delta; Sigma Alpha Epsilon; Sigma Phi Epsilon; Phi Alpha; Sigma Nu; Acacia; Theta Upsilon Omega; Sigma Mu Sigma, Omicron Alpha Tau; Tau Alpha Omega; Sigma Theta Delta.

SORORITIES

Pi Beta Phi; Chi Omega; Sigma Kappa; Phi Mu; Alpha Delta Pi; Delta Zeta; Kappa Delta; Phi Sigma Sigma; Zeta Tau Alpha; Alpha Delta Theta; Phi Delta; Kappa Kappa Gamma; Alpha Epsilon Phi.

DEPARTMENT CLUBS

American Society of Civil Engineers; American Society of Mechanical Engineers; Architectural Club; Chemical Society; El Círculo Español; Charles Clinton Swisher History Club; Home Economics Club; International Relations Club; Le Cercle Gallia; Mathematics Club; Schoenfeld Deutsche Verein; Physics Club; Education Club; The George Washington Commerce and Economics Fraternity; Natural Dancing Club.

GENERAL

Columbian Debating Society; Drama Club; The Troubadours; Interfraternity Council; Panhellenic Council; Law School Senate; Masonic Club; Modern Poetry Vlub; Philippinensian Club; Women's Advisory Council; Women's Athletic Association; Women's Legal Club; Radio Club; Colonial Club; Orchesis.

RELIGIOUS

Episcopal Club; Menorah Society; Newman Club; Young Women's Christian Association; Baptist Students' Union; Presbyterian Club; Lutheran Club.

MUSICAL

Men's Glee Club; Girl's Glee Club.

STUDENT PUBLICATIONS

The University Hatchet (student weekly); *The Cherry Tree* (the annual); *The Handbook* (student manual of University information).

THE UNIVERSITY RECORD

1930-31

DEGREES CONFERRED COLUMBIAN COLLEGE

BACHELOR OF ARTS

JUNE 11, 1930

Victor Aller.....	District of Columbia
Flora Tuba Alpert.....	District of Columbia
Herbert Edmund Angel.....	District of Columbia
(With high distinction.)	
Linwood K. Bailey.....	District of Columbia
Ruth Amanda Bawell.....	District of Columbia
(With high distinction.)	
Vincent James Bellahore.....	New York
Thomas Bernard Bentley.....	Pennsylvania
(With distinction.)	
Catherine Jean Bethune.....	Virginia
Betsy Bygate Booth.....	District of Columbia
Anita B. Brown.....	District of Columbia
Oneda Maybelle Brown.....	District of Columbia
Elizabeth Buntin.....	District of Columbia
(With high distinction.)	
Max Caplan.....	District of Columbia
(With distinction.)	
Morris Chase.....	District of Columbia
Harold Eglin Chaney.....	Virginia
Ruth Christine Chindblom.....	Illinois
Margaret Bryant Cobb.....	Alabama
Catherine Cate Coblentz.....	District of Columbia
(With distinction.)	
Louise Wilton Cocke.....	Maryland
(With distinction.)	
Charles William Cole.....	Maryland
William Ernest Coleman.....	Kentucky
Bernard Wallace Conger.....	District of Columbia
Katherine Talafiero Conway.....	District of Columbia
H. Naomi Crumley.....	North Carolina
(With distinction.)	
Loretta Heany Cunningham.....	District of Columbia
Harry Delbaum.....	New York
Lewis N. Dembits.....	District of Columbia
(With distinction.)	
David Diamond.....	New Jersey
Louise LeGarde Duncan.....	Mississippi
Lindsay Opie Duvall.....	District of Columbia
Edith Viola Edwards.....	Ohio
Gerson Gurman Eisenberg.....	Maryland
Joseph Epstein.....	New York
Richard Epstein.....	District of Columbia
Louise Frances Feinstein.....	
(With distinction.)	
Irrin Feldman.....	District of Columbia
(With distinction.)	
Robert Earle Fix.....	Idaho
Mary Elizabeth Ford.....	District of Columbia
(With distinction.)	
Maurice Friedman.....	Connecticut
Florence Ruth Fritz.....	District of Columbia
Aaron Harry Furer.....	District of Columbia
William David Goldberg.....	District of Columbia
Helen Bernice Goodin.....	District of Columbia
Warren Edwin Graves.....	Ohio
Dorothy Gray.....	Massachusetts
Robert Meade Gray.....	District of Columbia
Stella Porter Green.....	District of Columbia
Nancy Griswold.....	Minnesota
(With distinction.)	District of Columbia

Frank Edward Grutzik.....	Wisconsin
Willard Lee Hammer.....	North Carolina
(With distinction.).....	
Ashlan Fleetwood Harlan.....	District of Columbia
Florence Harrington.....	District of Columbia
(With distinction.).....	
Jane Henderson.....	District of Columbia
Caroline Hobbs.....	Maine
Elizabeth Hiden Hoge.....	District of Columbia
Helen Edith Holaday.....	Illinois
Franklin Austin Holmes.....	Texas
Laura Clarke Hoof.....	District of Columbia
Raymond MacAllister Hull.....	Massachusetts
William Elderkin Huntington.....	District of Columbia
Nannie Armistead l'Anson.....	District of Columbia
Alden Elon Imus.....	Maryland
Josephine Laura Irey.....	District of Columbia
Elizabeth Wingfield Jackson.....	District of Columbia
Charles Grantham Jaquette.....	District of Columbia
Merrill Edward Jefferson.....	South Dakota
Harold Leon Jenkins.....	Maryland
(With distinction.).....	
Richard Franklin Johnson.....	Maryland
(With distinction.).....	
Albert Caldwell Johnaton.....	Virginia
Frances Beaumont Jones.....	District of Columbia
John Wesley Jones.....	Iowa
Ann Patrick Kent.....	District of Columbia
George Raymond Kieferle.....	Pennsylvania
Llewellyn H. King.....	District of Columbia
Aaron Harry Kleiman.....	New York
Pauline Knauff.....	District of Columbia
(With distinction.).....	
William Luther Knott.....	District of Columbia
Herbert George Kurta.....	District of Columbia
Claudia Lois Kyle.....	Maryland
Charles Vaill Laughlin.....	Iowa
Alicia Marie Lehman.....	Illinois
Robert Sterling Leonard.....	District of Columbia
(With distinction.).....	
Mark N. Lynch.....	District of Columbia
Edwin Chesley Estes Lord, jr.....	District of Columbia
Ellis W. Manning.....	Oklahoma
(With distinction.).....	
Lucy Rains Manning.....	Oklahoma
(With distinction.).....	
Jacob Herman Mason.....	New York
*Lucille Lawton Matthews.....	Pennsylvania
Oneta McCarty.....	Washington
(With distinction.).....	
Elizabeth Louise McGaughey.....	District of Columbia
Grace May McLean.....	District of Columbia
(With distinction.).....	
John Hamilton McNeely.....	District of Columbia
Milton Emanuel Mermelstein.....	New Jersey
Marguerite Sheffield Meyer.....	Iowa
Verlin Estelle Miles.....	Virginia
Barbara Ann Miller.....	District of Columbia
Elizabeth Rebecca Miller.....	District of Columbia
(With distinction.).....	
Nathan Miller.....	New Jersey
Arthur Minaky.....	New York
Virginia Mitchell.....	Maryland
(With high distinction.).....	
Helen Moore.....	District of Columbia
Irma K. Mullins.....	District of Columbia
George Theodore Mumaw.....	Virginia
Mary Bodine Naylor.....	District of Columbia
Allen Eldridge Neil.....	South Dakota
Richard David Nevius.....	District of Columbia
(With distinction.).....	
Magdalene Ruran Newman.....	

* Degree is conferred posthumously.

Degrees Conferred

v

Lawrence Ayer Nichols, jr.	Wisconsin
Kathryn Mae Ott	District of Columbia
(With distinction.)	
Margaret Shirley Oenburg	District of Columbia
Dorothy Randall Phillips	Maryland
Caroline R. Plugge	District of Columbia
Eva Moore Pope	District of Columbia
George Prussin	New York
Dorothy Catherine Pullen	District of Columbia
Gilbert Rabinowitz	New York
Clement J. Reap	Pennsylvania
Sarah Wilson Reed	District of Columbia
(With distinction.)	
Thelma Alice Replogle	District of Columbia
(With distinction.)	
Virginia Elizabeth Robinson	District of Columbia
(With distinction.)	
Gretchen Louisa Rogers	District of Columbia
(With high distinction.)	
Hennietta Anne Rosenthal	Virginia
Dorothy Mae Ruth	District of Columbia
Margaret Haywood Schneider	District of Columbia
Joshua J. Selinkoff	New York
Thomas Shuler Shaw	Idaho
Virginia Moore Shull	Maryland
(With high distinction.)	
Fred Malcolm Shure	Connecticut
William Titus Sichi	District of Columbia
Donald Reginald Sickler	District of Columbia
Emile Emma Suddall	District of Columbia
Anna Jean Sime	District of Columbia
Gertrude Katharine Small	District of Columbia
Helen Babp Smith	District of Columbia
James Wilson Smith	District of Columbia
Aubrey Norris Somervell	Maryland
Joseph Ellis Sorrell	District of Columbia
(With distinction.)	
Ella Lee Sowers	District of Columbia
Margaret Louise Spratt	Virginia
Judith Leroy Steele	Alabama
Martha Lula Steele	District of Columbia
John Harold Stelman	Georgia
Welby Reed Stevens	Virginia
Virginia Janney Storck	District of Columbia
Ethel Jane Theis	Virginia
Jenny Emaley Turnbull	District of Columbia
Melanie E. Uhlig	District of Columbia
Margaret Lee Vail	Massachusetts
Elizabeth Waller	District of Columbia
Marjory A. Weaver	District of Columbia
Ester Rae Weeksler	Maryland
(With distinction.)	
Edward H. G. Weissner	District of Columbia
Milton K. Wells	New York
Elizabeth Beale Wheeler	Oklahoma
John Leonard Wheeler	District of Columbia
(With distinction.)	
Verna A. Whipple	District of Columbia
I. Melvin Whitestone	Virginia
Margaret Louisa Wills	Virginia
James G. Wingo	District of Columbia
William Harvey Wise, jr.	District of Columbia
Zora E. Woody	District of Columbia
Hikoji Yanagida	North Carolina
	Japan

OCTOBER 15, 1930

George Lindsay Ball	Maryland
Ph.G. 1929, The George Washington University.	
Arthur Eugene Beach	District of Columbia
Samuel Benjamin	District of Columbia
Ph.G. 1917, Columbia University.	
M.D. 1927, Georgetown University.	

Clara Bogorad	District of Columbia
Sigmund Tibor Brinsky	Pennsylvania
Ernestine Brown	Mississippi
Suzanne Dauphin	Virginia
Geneva Margaret Dye	District of Columbia
Robert Lindsay Earle	Wisconsin
Ellis Edlowitz	District of Columbia
Evelyn Mildred Each	District of Columbia
David Louis Fonoroff	District of Columbia
Marcus Solomon Goldstein	Pennsylvania
Isadore Harry Halpern	District of Columbia
Amelia Lenore Henkel	Minnesota
Charles Horatio Jackson	Texas
Daniel A. Jessup	Oklahoma
Wesley W. Jones	District of Columbia
Lemuel Jue	California
Reginald Joseph Kranauer	District of Columbia
Frances May Layton	Oklahoma
William Boyd Licklider, jr.	West Virginia
Hans Lineweaver	District of Columbia
Harold Vicory Maybee	District of Columbia
Damian John McLaughlin	Pennsylvania
LL.B. 1928, Georgetown University	
Peter J. Mitchell	Iowa
Leland Dean Norton	District of Columbia
Mildred Doris Oxenburgh	District of Columbia
Andrew Ivan Puhak	Pennsylvania
Leon J. Riscassi	Connecticut
Louis Simon	New York
Kinsey MacLeod Simonton	Idaho
James William Sommerville	Virginia
LL.B. 1926, The George Washington University	
LL.M. 1927, National University	
Marion Stewart	District of Columbia
Agnes J. Stout	District of Columbia
James Marion Suter	District of Columbia
Frederick Clifton Toal	South Carolina
Robert Emerson Wester	Virginia
Ford Evans Young, jr.	Maryland

FEBRUARY 23, 1931

C. Frederic Andrus	Illinois
(With distinction; special honors in Botany.)	
William Henry Beard, jr.	District of Columbia
Caroline Wilcox Fraser	New York
Melvin Sidney Frazier	North Dakota
Vernon Allen Frazier	North Dakota
Katherine Eva Heinold	Michigan
Andrew Hendrickson	Oklahoma
Cora Lee Hilberg	Tennessee
Roy Charles Hoffman	Iowa
Paul Thomas Howard	District of Columbia
Myrella Herrick McGraw	Maryland
Mary Rutherford Mathia	Georgia
Mary Helen Milkie	New York
Gerald Herman Peterson	California
Eugenia Herbert Proetzman	Virginia
Elizabeth Hill Ramage	Virginia
Lillian Rubenstein	District of Columbia
Thomas Hardie Seay, jr.	District of Columbia
Rudihan Nadiji Sipahi	Turkey
H. Kenneth Smoot	District of Columbia
Monica Catherine Snyder	District of Columbia
Bradford Swope	District of Columbia
Claudia Thomson	South Dakota
Vivian Harner Ward	District of Columbia

Degrees Conferred

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BACHELOR OF SCIENCE

JUNE 11, 1930

Glenn Lewis Barnum	Virginia
Eugenia Cuvillier	District of Columbia
(With distinction.)	
Harry Theodore Hutton	District of Columbia
Edmund Houston McNally	District of Columbia
Willard Hammond Mutchler	District of Columbia
Helen Crockett Nichols	District of Columbia
John Adams Schricker	New Hampshire
Arthur William Van Heuckeroth	District of Columbia

OCTOBER 15, 1930

Robert Alpher	District of Columbia
(With distinction.)	
Virginia Hefly	Maryland
R. Andrew Nelson	California
Solomon Woolman	Pennsylvania

FEBRUARY 23, 1931

Marjorie Theodora Leighy	District of Columbia
--------------------------	----------------------

MASTER OF ARTS

FEBRUARY 23, 1931

Paul Bradt	Indiana
A.B. 1927, Indiana University.	
Harriet O'Neill Cheatham	South Carolina
A.B. 1925, Winthrop College.	
Elsie Carolina Hancock	Indiana
A.B. 1929, Butler University.	
Frances Evelyn Heid	District of Columbia
A.B. 1930, The George Washington University.	
Arlin Rex Johnson	Utah
A.B. 1924, Brigham Young University.	
Elsie Snow King	West Virginia
A.B. 1929, The George Washington University.	
Vernon Datesman Northrop	Pennsylvania
A.B. 1928, The George Washington University.	
Trusa Urias Russell	Arkansas
A.B. 1929, The George Washington University.	

MASTER OF SCIENCE

FEBRUARY 23, 1931

Hazel Alva Borden	Massachusetts
A.B. 1926, The George Washington University.	
Wallace LeRoy Hall	District of Columbia
A.B. 1925, The George Washington University.	
Ruth Jackson	District of Columbia
A.B. 1927, The George Washington University.	

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

DOCTOR OF PHILOSOPHY

JUNE 11, 1930

Ira Edwards.....	Wisconsin
B.S. 1913, University of Rochester.	
M.S. 1914, University of Rochester.	
Thesis: The Cambrian Atremate and Neotremate Brachiopoda of the Upper Mississippi Valley.	
Josiah Turner Newcomb.....	New York
A.B. 1892, Williams College.	
A.M. 1925, The George Washington University.	
Thesis: Social Changes.	
Walter Courtney Werner.....	Missouri
A.B. 1917, University of Missouri.	
Thesis: The Devonian Coral Faunas at the Falls of the Ohio River.	

MASTER OF ARTS

JUNE 11, 1930

Ruth Somers Babcock.....	New Jersey
A.B. 1929, The George Washington University.	
Wendell Parsons Barrows.....	District of Columbia
B.S. 1919, Tufts College.	
Hazel Mae Bayne.....	District of Columbia
A.B. 1925, The George Washington University.	
John Bozievich.....	Maryland
B.S. 1929, The George Washington University.	
Emory Edwin Bunday.....	Washington
A.B. 1927, Whitman College.	
Helen Louise C. Connolly.....	Massachusetts
A.B. 1928, The George Washington University.	
John Paul Cullen.....	Wisconsin
A.B. 1928, The George Washington University.	
Powrie Vaux Doctor.....	Kansas
A.B. 1928, University of Kansas.	
Elizabeth Belle Drewry.....	District of Columbia
A.B. 1929, The George Washington University.	
Margaret Gaddis Dutton.....	District of Columbia
A.B. 1920, The George Washington University.	
Richard Edge.....	California
B.S. 1928, University of Oregon.	
Mildred Von Eiff Eichner.....	District of Columbia
A.B. 1924, The George Washington University.	
Mary Ewin.....	District of Columbia
A.B. 1928, The George Washington University.	
William Feller.....	New Jersey
B.S. 1920, Rutgers University.	
William Alfred Fisher.....	District of Columbia
A.B. 1927, University of Maryland.	
Leon Stuart Gordon.....	District of Columbia
A.B. 1929, The George Washington University.	
M.D. 1928, The George Washington University.	
Frederick Kirby Hall.....	Massachusetts
B.T.E. 1924, Lowell Textile Institute.	
Ann Sparks Hamilton.....	Georgia
A.B. 1927, The George Washington University.	
Sophus Dee Hanson.....	New York
A.B. 1929, The George Washington University.	
LL.B. 1920, Georgetown University.	
LL.M. 1921, Georgetown University.	
Nelle Quinn Hargrave.....	District of Columbia
A.B. 1923, Mississippi State College for Women.	
Martha Elizabeth Harris.....	North Carolina
A.B. 1927, The George Washington University.	
William Delmar Hershberger.....	District of Columbia
A.B. 1927, Goshen College.	
Karla Louise Heurich.....	District of Columbia
B.S. 1928, Connecticut College.	
Caroline G. Hogue.....	District of Columbia
B.S. 1917, North Carolina College for Women.	
A.B. 1919, University of North Carolina.	

Degrees Conferred

ix

Elbert Lowell Huber.....	Nebraska
A.B. 1928, The George Washington University.....	
Ethel Mina Klemm.....	Indiana
A.B. 1924, Indiana University.....	
Emily Brown Kline.....	District of Columbia
A.B. 1928, The George Washington University.....	
May Lepley.....	District of Columbia
A.B. 1929, The George Washington University.....	
Patricia McMurray.....	Oklahoma
A.B. 1929, Oklahoma University.....	
Hideomi Mori.....	Japan
A.B. 1928, The George Washington University.....	
Mallie John Murphy.....	District of Columbia
A.B. 1908, Butler College.....	
LL.B. 1910, Indiana Law School.....	
Katherine Elizabeth Parker.....	Maryland
A.B. 1924, Brenau College.....	
Charles Edgar Randall.....	District of Columbia
A.B. 1920, Leland Stanford University.....	
Goldye Belle Riggins.....	Illinois
A.B. 1920, Greenville College.....	
Charles Rosenberg.....	District of Columbia
B.S. 1924, University of Maryland.....	
Laura Catherine Smith.....	Indiana
A.B. 1929, Butler University.....	
Julia Crawford Taliaferro.....	Virginia
A.B. 1927, The George Washington University.....	
Emma Mertins Thom.....	District of Columbia
A.B. 1927, The George Washington University.....	
Lida Josephine Upton.....	District of Columbia
A.B. 1925, The George Washington University.....	
Wanda Webb.....	District of Columbia
A.B. 1928, The George Washington University.....	
Cecil Thayer White.....	Texas
A.B. 1928, Southwestern University.....	
Christine Margaret Williams.....	District of Columbia
A.B. 1929, The George Washington University.....	
OCTOBER 15, 1930	
Anna B. Bassler.....	District of Columbia
A.B. 1924, The George Washington University.....	
Lily Brunswick.....	District of Columbia
A.B. 1927, The George Washington University.....	
Mary Josephine Carter Cole.....	District of Columbia
A.B. 1927, The George Washington University.....	
Christine Fassett.....	District of Columbia
A.B. 1926, Syracuse University.....	
Kroes Ficklin.....	Virginia
A.B. 1918, The George Washington University.....	
Dorothy Lyle Gilligan.....	District of Columbia
A.B. 1928, Western Maryland College.....	
Elizabeth Wiltbank Hailman.....	Maryland
A.B. 1928, The George Washington University.....	
Thomas R. Henry.....	District of Columbia
A.B. 1914, Clark University.....	
Elizabeth Margaretha Hewston.....	District of Columbia
B.S. in Ch. 1929, The George Washington University.....	
Andrew F. Leiser.....	Ohio
A.B. 1930, Wittenberg College.....	
Clinton Andrew Neyman.....	District of Columbia
A.B. 1911, Denison University.....	
Catherine O'Neill.....	Maryland
A.B. 1928, The George Washington University.....	
Hazel Alberta Peterson.....	District of Columbia
A.B. 1930, The George Washington University.....	
Karl Ernest Schoenherr.....	District of Columbia
B.S. 1922, Massachusetts Institute of Technology.....	
James Whitley Syber.....	Mississippi
B.S. 1928, Mississippi Agricultural and Mechanical College.....	
Richard Aldrich Summers.....	Arizona
A.B. 1926, University of Arizona.....	
Florence Catherine Marie Wallace.....	District of Columbia
A.B. 1927, The George Washington University.....	

MASTER OF SCIENCE

JUNE 11, 1930

Harold A. Craft.....	District of Columbia
B.S. 1926, Pennsylvania State College.	
Joseph Francis Klekotka.....	Pennsylvania
B.S. 1926, Villanova College.	
Walter Scholl.....	District of Columbia
Ch. E. 1923, University of Virginia.	
Herman Delius Weihe.....	District of Columbia
B.S. 1927, The George Washington University.	

MASTER OF SCIENCE IN CHEMISTRY

JUNE 11, 1930

Nicholas George Barbella.....	District of Columbia
A.B. 1928, The George Washington University.	

OCTOBER 15, 1930

Howard Allen Jones.....	Virginia
B.S. in Ch. E. 1925, The George Washington University.	
Samuel Shapiro.....	District of Columbia
A.B. 1926, The George Washington University.	

THE SCHOOL OF MEDICINE

DOCTOR OF MEDICINE

JUNE 11, 1930

Alfonso Leonard Algozer.....	New York
*James Clement Allison.....	District of Columbia
Donald Cole Barber.....	Ohio
B.F.S. 1926, Georgetown University.	
*Robert Claibourne Boyden.....	North Dakota
George K. Campbell.....	Missouri
A.B. 1927, The George Washington University.	
*John Leland Cardwell.....	District of Columbia
Daniel Stephen DeSto.....	Pennsylvania
*William Shambough Detwiler.....	Virginia
William Lloyd Eastlack.....	New Jersey
L. Otis Fox.....	New York
*Luciano Fiore Gentile.....	Pennsylvania
Stuart Bentley Gibson.....	District of Columbia
Edgar Deucher Griffin.....	
A.B. 1927, The George Washington University.	
Benjamin Lewis Jones, jr.....	Pennsylvania
B.S. 1929, University of Pittsburgh.	
*John Albert Kardys.....	Connecticut
*Max Katz.....	District of Columbia
*Sollie Katzman.....	District of Columbia
Ira Allen Keller.....	New York
*Fred Robert Kelly.....	Ohio
B.S. 1928, University of Pittsburgh.	
*Oscar Lavine.....	District of Columbia
*Emanuel Liccese.....	New Jersey
B.S. 1926, New York University.	
John Bayne Marbury.....	District of Columbia
Joseph Faraday Marinello.....	New York
B.S. 1926, College of the City of New York.	
Spencer Vincent Meade.....	District of Columbia
A.B. 1927, The George Washington University.	
Francis Aurelio Merlo.....	New Jersey
B.S. 1927, New York University.	

* These members have satisfactorily completed the course for the Reserve Officers' Training Corps, as prescribed by the War Department, and will receive their commissions as First Lieutenants of the Medical Reserve Corps.

Degrees Conferred

xi

*Samuel Morrock	.....	New York
John Manly Orem	.....	District of Columbia
*Hugo R. Paganelli	.....	New York
Howard Pope Parker	.....	District of Columbia
*David Edman Quinn, jr.	.....	Ohio
B.S. 1924, Allegheny College	.....	District of Columbia
*Isadore Rod	.....	District of Columbia
A.B. 1927, The George Washington University	.....	Pennsylvania
Herman R. Rothman	.....	Pennsylvania
B.S. 1928, University of Pittsburgh	.....	Porto Rico
Luis Antonio Sanchez	.....	New York
*John James Scalzo	.....	New York
William Schneider	.....	New York
B.S. 1927, New York University	.....	District of Columbia
B.S.M. 1928, University of Kansas	.....	District of Columbia
Aaron S. Schwartzman	.....	District of Columbia
A.B. 1927, The George Washington University	.....	District of Columbia
Alma Jane Speer	.....	District of Columbia
A.B. 1913, University of Texas	.....	Minnesota
A.M. 1926, The George Washington University	.....	District of Columbia
Bennett A. Stoen	.....	District of Columbia
*Samuel Lester Tabb	.....	New Jersey
A.B. 1927, The George Washington University	.....	New York
*Frank Joseph Vita	.....	District of Columbia
Harry Wallerstein	.....	New York
A.B. 1927, The George Washington University	.....	District of Columbia
Max Jacob Weinstein	.....	New York
Joseph C. Weisman	.....	New York
Ph.G. 1924, Columbia University	.....	New York
B.S. 1928, University of Missouri	.....	New York
Charles B. Wigderson	.....	New York
B.S. 1925, College of the City of New York	.....	Connecticut
Nat Joseph Wilson	.....	Connecticut
A.B. 1926, The George Washington University	.....

OCTOBER 15, 1930

Arthur L. Delgrego	.....	Connecticut
Joseph J. Dobkin	.....	District of Columbia
Gaetano Grieco	.....	New York

THE SCHOOL OF NURSING

DIPLOMA

JUNE 11, 1930

Ida Adelle Browne	.....	South Carolina
Victorine L. Cherney	.....	Iowa
Elizabeth L. Cunningham	.....	West Virginia
Roberta N. Deane	.....	Virginia
Naomi Z. Erb	.....	Pennsylvania
Mildred A. Feagans	.....	Virginia
Wilma Gertrude Frye	.....	Michigan
Alma A. Herndon	.....	North Carolina
Miriam F. Hess	.....	Pennsylvania
Anna M. Nelson	.....	Maryland
Jane M. Pettit	.....	Michigan
Virginia Raftor	.....	West Virginia
Mary C. Sette	.....	Connecticut
Olive M. Strouffer	.....	Pennsylvania
Jessie P. Wall	.....	North Carolina
Lillian White	.....	Maryland

* These members have satisfactorily completed the course for the Reserve Officers' Training Corps, as prescribed by the War Department, and will receive their commissions as First Lieutenants of the Medical Reserve Corps.

THE LAW SCHOOL

BACHELOR OF LAWS

JUNE 11, 1930

Karl J. Albrecht.....	Minnesota
B.S. 1925, University of Minnesota.	
David Samuel Allshouse.....	Pennsylvania
Julius Aronoff.....	District of Columbia
A.B. 1928, The George Washington University.	
Thomas J. Bailey, jr.....	District of Columbia
(With distinction.)	
A.B. 1926, Princeton University.	
Frank J. Barley.....	Illinois
Maurice Runnels Barnes.....	Utah
B.S. 1924, University of Utah	
Wilbur James Barnes.....	Maryland
M.E. 1915, Cornell University.	
William Sidney Bassler.....	District of Columbia
A.B. 1923, The George Washington University.	
John Calvin Box, jr.....	Texas
A.B. 1928, The George Washington University.	
James Keith Browne.....	Montana
A.B. 1925, University of Montana.	
Elizabeth Gall Casteel.....	District of Columbia
William Henry Churchwell.....	Montana
Raymond W. Cohen.....	Maryland
B.E. 1926, Johns Hopkins University.	
Elizabeth M. Cox.....	District of Columbia
John William Cox.....	Texas
A.B. 1927, Rice Institute.	
Donald Curtis.....	Massachusetts
Graduate, 1918, U.S. Naval Academy.	
George B. Dent, jr.....	Nebraska
Harold Dodd.....	New York
Graduate, 1913, U.S. Naval Academy.	
M.S. 1924, Columbia University.	
Laurence Briggs Dodda.....	Colorado
B.S. 1925, University of California.	
Daniel Christian Eberly.....	District of Columbia
John Sterling S. Fessenden.....	Ohio
A.B. 1926, Ohio Wesleyan University.	
Ralph John Fichter.....	Indiana
Melvin Freebairn.....	Utah
B.S. 1925, University of Utah.	
Charles Futterer.....	District of Columbia
Morgan M. Gilbert.....	District of Columbia
A.B. 1927, The George Washington University.	
Louis Ginberg.....	District of Columbia
Solomon Grossberg.....	Virginia
Richard Haug.....	New York
A.B. 1928, Cornell University.	
Jack Hayes.....	District of Columbia
A.B. 1926, The George Washington University.	
Mary Josephine Holland.....	Massachusetts
A.B. 1922, Tufts College.	
Albert Laurens Ingle.....	Mississippi
A.B. 1928, The George Washington University.	
Elsie Bradford Jansen.....	District of Columbia
A.B. 1927, Wellesley College.	
Albert Kimball Johnson.....	Vermont
B.S. 1927, University of Vermont.	
S. Warwick Keegin.....	District of Columbia
A.B. 1924, Dartmouth College.	
Wade Hampton Kitchens, jr.....	Arkansas
A.B. 1927, University of Arkansas.	
Louis Francis Kreek.....	Missouri
Julian L. Latimer, jr.....	District of Columbia
A.B. 1927, Antioch College.	
Park Hoffman Loose.....	District of Columbia
A.B. 1927, Dickinson College.	

Degrees Conferred

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Elliotte DeJarnette Marshall.....	Virginia
(With distinction.)	
George Edward Monk.....	District of Columbia
(With distinction.)	
A.B. 1928, The George Washington University.	
Edmund Hurlburt Parry, jr.....	District of Columbia
A.B. 1926, Harvard University.	
Philip Van Wagenen Peck.....	District of Columbia
A.B. 1927, University of Pennsylvania.	
Angelo Marion Pisarra.....	New York
Ch.E. 1926, Rensselaer Polytechnic Institute.	
Leslie Manfred Rapp.....	Iowa
Albert C. Reed.....	District of Columbia
B.S. 1922, University of Delaware.	
John Robert Reed.....	Maryland
A.B. 1928, The George Washington University.	
Roy Dahlquist Reese.....	Utah
Owen G. Reichmann.....	Utah
B.S. 1924, University of Utah.	
Edwin Archer Riley.....	Missouri
Junius Stowell Romney.....	Utah
George P. Sakis.....	District of Columbia
Charles Thomas Shanner.....	District of Columbia
A.B. 1929, The George Washington University.	
William S. Shenker.....	Oregon
A.B. 1929, University of Oregon.	
Allan Edward Smith.....	District of Columbia
Graduate, 1915, U.S. Naval Academy.	
Joel Gibson Stanford.....	New York
E.M. 1925, Colorado School of Mines.	
Lionel Summers.....	District of Columbia
B.S. 1927, Princeton University.	
John Gordon Turnbull.....	Pennsylvania
A.B. 1926, Hamilton College.	
Theodore Clay Uhler.....	Virginia
B.S. 1917, University of Pennsylvania.	
William Addison Vandegrift.....	Maryland
Patrick Jennings Warnick.....	West Virginia
A.B. 1927, University of Kentucky.	
F. Roe Weise.....	Iowa
A.B. 1929, State University of Iowa.	
Robert Rudolf Whitmer.....	Pennsylvania
B.S. 1926, Washington and Jefferson College.	
James Owens Wrightson, jr.....	District of Columbia
A.B. 1923, Dickinson College.	

OCTOBER 15, 1930

Isadore Brill.....	District of Columbia
Norman Hampton Conner.....	Virginia
B.S. 1924, University of Virginia.	
John Walker Cross.....	Kansas
L. Call Dickinson.....	Iowa
John Donald Gamble.....	District of Columbia
Oscar William Giese.....	Florida
Harold Emery Hufford.....	Indiana
Lowry Lindsay.....	South Carolina
A.B. 1927, Wofford College.	
Jess James McCoy.....	West Virginia
Alan Chase Maxwell.....	Iowa
A.B. 1927, University of Iowa.	
Rufus Franklin Milwee, jr.....	Arkansas
Joseph Louis O'Connor.....	New York
A.B. 1926, The George Washington University.	
Milton Rollins.....	New York
Richard Alfred Terrell.....	District of Columbia
A.B. 1916, Miami University.	Ohio
Samuel C. Thompson.....	District of Columbia
Kenneth Nicoll Watson.....	Pennsylvania
A.B. 1928, The George Washington University.	
Zachary Taylor Wobensmith, II.....	
B.S. in M.E. 1927, University of Pennsylvania.	

FEBRUARY 23, 1931

Bernard LaSalle Amias.....	District of Columbia
Zelpha Catherine Brookley.....	Ohio
A.B. 1916, Miami University.	
Lawton Burton.....	Oklahoma
Thomas Lee Camp.....	Georgia
A.B. 1925, Oglethorpe University.	
Marion Bradley Earl.....	Nevada
B.S. 1922, University of Utah.	
Justin Lincoln Edgerton.....	District of Columbia
A.B. 1920, The George Washington University.	
Edmund Albert Fenander.....	California
B.S. 1926, University of California.	
Hoyt Benjamin Harper.....	Illinois
James Thomas Hoffman.....	Pennsylvania
B.S. in E.E. 1926, University of Pittsburgh.	
Angus Stanley King.....	Virginia
B.S. 1926, College of William and Mary.	
Phineas Harold Lamphere.....	Montana
B.S. in E.E. 1927, University of Idaho.	
Robert Edward Lee, jr.....	District of Columbia
Paul Mendenhall.....	Indiana
William E. Oelschlager.....	Missouri
Clifford Arthur Sheldon.....	Iowa
Larken Speer.....	Texas
James Edward Stukes.....	North Carolina
Oliver Stanley Titcomb.....	Massachusetts
Morgan Caywood Torrey.....	District of Columbia
Gordon Kase Wilson.....	Pennsylvania
A.B. 1926, The George Washington University.	
Ralph Waldo Woodruff.....	Pennsylvania
A.B. 1920, Susquehanna University.	
A.M. 1921, Susquehanna University.	
Laurence Carter Wright.....	Mississippi
A.B. 1927, University of Mississippi.	

MASTER OF LAWS

JUNE 11, 1930

George Swartz Herr.....	New York
A.B. 1926, The George Washington University.	
LL.B. 1923, The George Washington University.	

SCHOOL OF ENGINEERING

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

JUNE 11, 1930

Lewis Harvey Phelps, jr.....	Maryland
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BACHELOR OF SCIENCE IN CIVIL ENGINEERING

JUNE 11, 1930

Doyle Peter Affleck.....	Utah
Charles Alexander Burner.....	District of Columbia
Martin Deuterman.....	Virginia
Maceo Falco.....	District of Columbia
William James Goodwin.....	District of Columbia
Yost D. Harbaugh.....	District of Columbia
John Lenneis Haynes.....	District of Columbia
Henry William Herzog.....	District of Columbia
Roydon Keyser McCullough.....	Utah
Milton Leonard Marland.....	District of Columbia
R. Hamilton Rhea.....	District of Columbia
Earl Chalmers Sutherland.....	District of Columbia
John Philip Wildman.....	California

Degrees Conferred

XV

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

JUNE 11, 1930

Joseph D. Bein.....	District of Columbia
Charles Edward Brush.....	Maryland
Earl William Hunter.....	District of Columbia
Lewis E. Keil.....	District of Columbia
B.S. in E.E. 1929, The George Washington University.....	District of Columbia
Richard A. Parsons.....	District of Columbia

FEBRUARY 23, 1931

Enoch Wellford Mason.....	Maryland
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BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

JUNE 11, 1930

Don Darrel Andrews.....	District of Columbia
William Joseph Ellenberger.....	Ohio
Louis August Gebhard.....	District of Columbia
Raymond F. Hossfeld.....	District of Columbia
(With distinction.)	
Curtis Frederick Prangley.....	District of Columbia

OCTOBER 15, 1930

Jay Yong Yang.....	Pennsylvania
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SCHOOL OF PHARMACY

BACHELOR OF SCIENCE IN PHARMACY

OCTOBER 15, 1930

Marvin Russell Thompson.....	District of Columbia
Ph.C. 1926, University of Minnesota.	

GRADUATE IN PHARMACY

JUNE 11, 1930

Charles Aronstein.....	District of Columbia
Hugh Stockman Cawthorne.....	Maryland
Frederick Mahlon Everly.....	Virginia
Vincent Benjamin Norelli.....	Connecticut
Harry Rosen.....	District of Columbia
Bert Campbell Sasser.....	Virginia
Joseph Schenck.....	District of Columbia
Philip Shapiro.....	Virginia
Harold D. Trantham.....	District of Columbia
Samuel Weinstein.....	District of Columbia

Rudolph M. J. Smith.....	Maryland
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SCHOOL OF EDUCATION

BACHELOR OF ARTS IN EDUCATION

JUNE 11, 1930

Katherine Elizabeth Bergin.....	District of Columbia
Irene Thomas Blythe.....	District of Columbia
(With distinction.)	
Janice Burroughs.....	District of Columbia
(With distinction.)	
Ruth Campbell.....	District of Columbia
Ethel Lamb Carney.....	District of Columbia
Edna Preston Collins.....	Virginia
Mildred A. Conklin.....	District of Columbia
Helen Cutting Drew.....	District of Columbia
Virginia King Frye.....	District of Columbia
Anne Meade Haskins.....	Virginia
Alice Marguerite Hill.....	District of Columbia
Jean van Loan Jackson.....	District of Columbia
Edward Lincoln Karmany.....	Pennsylvania
Virginia Crocker Linger.....	Virginia
Margaret Mary Lockwood.....	District of Columbia
Emiley Floyd Mitchell.....	Maryland
Margaret Monk.....	District of Columbia
Margaret Patricia Murray.....	District of Columbia
Marie F. Ockershausen.....	District of Columbia
Virginia May Parton.....	District of Columbia
Helen Louise Probey.....	District of Columbia
Catherine Rita Rich.....	District of Columbia
Fay Rives.....	North Carolina
Mary Helena Ruby.....	District of Columbia
Catherine Louise Shaw.....	Maryland
Mary Elizabeth Sheads.....	District of Columbia
Ruth Margaret Smedman.....	Michigan
Gladys Stubbs.....	Texas
Margaret Grimm Umbaugh.....	District of Columbia
Louise Veihmeyer.....	District of Columbia
(With distinction.)	
Anna Louise Wenchel.....	District of Columbia

OCTOBER 15, 1930

Cora Robertson Bowen.....	Maryland
Ruth Frances Connor.....	District of Columbia
(With distinction.)	
Alfred Cranwill.....	New Jersey
S. Helen Cunningham.....	Pennsylvania
Mildred Earnest.....	District of Columbia
(With high distinction.)	
Elizabeth Fielden.....	Pennsylvania
Mary Lackey.....	District of Columbia
(With distinction.)	
John Henry Machmer.....	Pennsylvania
Alice Elizabeth Murphy.....	District of Columbia
Rose Reikes.....	District of Columbia
Kathryn L. Sellers.....	District of Columbia
Roberta Shewmaker.....	District of Columbia
Erdine Timberlake Stamm.....	Wisconsin
Mildred Keith Wangler.....	District of Columbia

FEBRUARY 23, 1931

Fern H. Bowes.....	District of Columbia
(With distinction.)	
Florence Eleanor Chaney.....	Ohio
Alice B. Chatelain.....	District of Columbia
Virginia Maphis Coffman.....	District of Columbia
Dorothy Orem Crist.....	District of Columbia
Dora Katherine Currie.....	District of Columbia

Degrees Conferred

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Elizabeth Crosby Fisher.....	District of Columbia
Alice O. McCauley..... (With distinction.)	District of Columbia
Emma Jane Maloney.....	District of Columbia
Leafy Margaret Weadon.....	Virginia

MASTER OF ARTS

JUNE 11, 1930

Herbert Charles Brown.....	Maryland
A.B. 1917, Greenville College.	
Lucille Finsterwald Ezekiel.....	District of Columbia
B.S. 1924, Simmons College.	
Robert William Hambrook.....	Maryland
A.B. 1927, University of Southern California.	
Mildred Evelyn Stallings.....	District of Columbia
A.B. 1921, The George Washington University.	
Jeanette Fairbairn Stratham.....	District of Columbia
A.B. 1897, Syracuse University.	
Lester Transue Walter.....	District of Columbia
B.S. 1924, Pennsylvania State College.	
Suzanne Beatrice Waters.....	District of Columbia
A.B. 1924, The George Washington University.	
Blanche Bowden Wilcox.....	District of Columbia
A.B. 1920, The George Washington University.	

OCTOBER 15, 1930

Lambert Greenawalt.....	Pennsylvania
A.B. 1922, The George Washington University.	
Ralph Moss.....	Georgia
A.B. 1913, Mercer University.	
Helen Ethel Samuel.....	Virginia
A.B. 1921, Swarthmore College.	
Felix Conrad Schwarz.....	District of Columbia
A.B. 1928, The George Washington University.	

FEBRUARY 23, 1931

Rosa Folan.....	District of Columbia
B.S. 1909, West Virginia University.	
Ella A. Hanft.....	District of Columbia
A.B. 1927, The George Washington University.	
Mary Murray Kochka.....	District of Columbia
A.B. 1918, The George Washington University.	
Vera Rebekah Parker.....	Maryland
A.B. 1929, The George Washington University.	
Maurv Weldon Thompson.....	Maryland
A.B. 1928, College of William and Mary.	

DOCTOR OF PHILOSOPHY

JUNE 11, 1930

Francis M. Crowley.....	District of Columbia
A.B. 1910, Holy Cross College.	
A.M. 1923, Georgetown University.	
Thesis: The Catholic High-School Principal, His Training, Experience, and Responsibility.	

SCHOOL OF GOVERNMENT

BACHELOR OF ARTS IN GOVERNMENT

JUNE 11, 1930

Margaret Norma Harriman.....	District of Columbia
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OCTOBER 15, 1930

Mary Elizabeth Jamison.....Colorado

MASTER OF ARTS

FEBRUARY 23, 1931

Henry Allen Babcock.....Arkansas
 A. B. 1929, Arkansas College.
 Hugh Gladney Grant.....Alabama
 A. B. 1912, Harvard College.
 Montrose Henley Hayes.....Illinois
 Ph. B. 1930, University of Chicago.

DIVISION OF LIBRARY SCIENCE
 BACHELOR OF ARTS IN LIBRARY SCIENCE

JUNE 11, 1930

A. Katherine Beall.....Maryland
 Janette Virginia Brooks.....District of Columbia
 Eleanor Elizabeth Coon.....Virginia
 Elinor Elizabeth Dunnigan.....District of Columbia
 Clara Egl.....New Jersey
 (With distinction.)
 Ruby Fay Lents.....North Carolina
 John Anthony Neu.....Virginia
 Evelyn Frances Peake.....District of Columbia
 Elizabeth Burroughs Styron.....District of Columbia
 (With high distinction.)
 Dimiry Dumitrievich Tuncell.....District of Columbia
 Virginia Carter Whitney.....District of Columbia
 (With distinction.)

OCTOBER 15, 1930

Katherine E. Greenwood.....District of Columbia

FEBRUARY 23, 1931

Mortimer Harwood Davenport.....District of Columbia
 A. B. 1929, The George Washington University.

DIVISION OF FINE ARTS
 BACHELOR OF ARCHITECTURE

JUNE 11, 1930

Frances Lesley Townsend.....Massachusetts

FEBRUARY 23, 1931

Eugenie LeMerle.....District of Columbia
 (With distinction.)
 Elizabeth Lewis Zimmerman.....District of Columbia

BACHELOR OF ARTS

JUNE 11, 1930

Merrie Pender Childrey.....District of Columbia
 Margaret Catherine Kane.....District of Columbia

SCHOLARSHIPS AND PRIZES

HOLDERS OF SCHOLARSHIPS

1930-31

- The Byron Andrews Scholarships:* Kennedy Campbell Watkins, Olivia Watkins.
- The Maria M. Carter Scholarship:* Nancy Griswold.
- The Columbian Women Scholarships:* Margaret Hannah Cooper, Jean Shaw Kelly, Ruth Markwood, Elizabeth Middlemass, Martha Louise Osborn, Evelyn Elizabeth Schutz, Grace Victoria Young.
- The Isaac Davis Scholarship:* Evelyn Virginia Eller.
- The Robert Farnham Scholarship:* Benjamin Manchester.
- The Elma Lewis Harvey Scholarship:* Beatrice R. Miller.
- The High-School Scholarships:*
Amos Kendall Scholarships: Dorothy Ruth Albert, Eleanor Elizabeth Kise, Ralph Hamilton Rose, Marie Beatrice Tabinsky.
- University Scholarships:* Helen Rose Arons, Martha Benenson, Fannie Brill, Clara Critchfield, William Washington Dyer, Grace Claghton Hall, Marjory Herrie Keim, Firman Powell Lyle, Jean McGreggor, Francesca Phillips Martin, Amelia James Pagano, Israel Silverman, Dorothy Maude Smith, Ralph Franklin Staubly, jr., Arthur Storey, Helen Marjorie Swick, Malcolm Taylor, John William Thacker, Frank Harvey Weitzel, Judith Goodwyn Wood.
- The John Hitz Metzerott Scholarship:* Henry Lincoln Peckham.
- The David Spencer Scholarship:* Francis Herbert Whitehouse.
- The Mary Lowell Stone Scholarship:* Margaret Seay Payne.
- The William Walker Scholarship:* Cyrus Johnson.
- The John Wihington Scholarship:* Helen Winifred Fenwick.
- The Ellen Woodhull Scholarship:* Laura Williams Farria.

PRIZE AWARDS

1929-30

- Alpha Chi Sigma Freshman Prize in Chemistry:* Edgar Chiswell.
- Alpha Delta Pi Prize in French:* Fannie G. Gates.
- Alpha Delta Theta Prize in Chemistry:* Marjorie Crittenden.
- Chi Omega Prize in Social Sciences:* Lucy R. Manning.
- E. K. Cutter Prize in English:* Virginia Moore Shull.
- Daughters of the American Revolution Prize in American History:* Irene Blythe.
- Davis Prize Awards in Public Speaking:*
First: James G. Wingo.
Second: Virginia Frye.
Third: Lewis Dembitz.
- Delta Sigma Rho Prizes in Public Speaking:* Phi Sigma Kappa and Pi Beta Phi.
- Delta Tau Delta Student Activities Medal:* Herbert Angel.

Delta Zeta Prize in Botany: Grace Claughton Hall.

Dietzen Prize in Architecture: B. Taylor Simmons.

Dietzen Prizes in Machine Drawing: Charles Henry Littell and Forrest Gary Bitner.

Ellsworth Prize in Patent Law: Laurence Briggs Dodds.

Willis E. Fitch Prize in Chemistry: Hugh Kemp Clark.

Morgan Richardson Goddard Medal and Prize in Commerce: Paul Dickens.

Edward Carrington Goddard Medal in French: Donald W. Gooch.

James Douglas Goddard Medal in Pharmacy: Frederick Mahlon Everly.

Samuel Herrick Prize in Law: Elliott DeJarnette Marshall.

Kappa Delta Scholarship Cup: Elizabeth Farrell.

Kappa Kappa Gamma Medal in Botany: Arthur Storey.

John B. Larner Gold Medal in Law: George E. Monk.

Military Science Prize: Max Katz.

Ordronaux Prize in Law: Charles R. Kirk.

Ordronaux Prize in Medicine: Charles Bernard Widgerson.

Faculty Prizes in Pharmacy:

First Year: Sister Mabel Harley.

Second Year: Peter Garafalo.

Phi Delta Prize in Zoology: Cecile L. Fusfield.

Phi Delta Gamma Prizes in Oratory: William N. Close, Sylvester N. Baranski, Lawrence Gunther.

Pi Beta Phi Student Activities Prize: Dorothy Ruth.

Scarab Prizes in Fine Arts: Warren Vincent McDougal and Edward R. Spano.

Sigma Kappa Prize in English Rhetoric: Frederick Jennings Haskins, jr.

Sigma Kappa Prize in Chemistry: Samuel Greenburg.

Sigma Tau Prize in Engineering: Reynold Everett Ask.

Staughton Prize in Latin: Virginia Mitchell.

James MacBride Sierrett, jr., Prize in Physics: Malcolm Taylor.

Alexander Wilbourne Weddell Peace Prize: Harryman Dorsey.

Women's Athletic Association Prize: Jenny Turnbull.

STUDENT ASSISTANTS

1930-31

Anatomy: James Leslie Snyder.

Bacteriology: Ruth Jackson.

Botany: Edward F. Butler, Janice Burroughs, Eugene Krauss, Clifford Schopmeyer, Neil Everett Stevens, Arthur Storey.

Chemistry: Stephen Brunauer, Hugh Kemp Clark, Fred Lee Downs, Millard Jeffrey, Howard Allen Jones, James H. Kettering, William L. Lamar, Hans Lineweaver, Jean McGregor, Daniel Ready, Richard L. Sawyer, Monica Catherine Snyder, Judith Leroy Steele, Robert Louis Weintraub, William G. Wiles.

Economics: Paul Burnham, Harold Curran, Karl Jones Moser, Vernon D. Northrop.

English: Jack J. Breen, Charles William Cole, Mary Fleming, Eileen Gardner Galer, Barbara Gottschalk, Frances E. Heid, Elsie King, Pauline Long, Beryl F. Loughlin, Lucille McCain, Mildred Moore, George Roth, Dorothy Ruth, Katherine S. Sandberg, Samuel Shaffer, Katherine White.

Geology: Wilfred Alvin Berikofer.

Government: Maude Hudson.

History: Rowland Lyon.

Home Economics: Mildred Kline.

Mechanical Engineering: Louis Ludlow, jr., R. U. MacDuff, Lewis Bryand Perkins, jr., Rodger Don Smith.

Physical Education for Men: Jack Conner, A. J. Vogt.

Physical Education for Women: Helen Taylor.

Physics: Edward F. Davis, John T. Lokerson, Grace V. Young.

Political Science: Charles Frank Barwick, James Louis Martin, Roland W. Renkel.

Public Speaking: Elizabeth Reeves.

Sociology: Myra Hall.

Zoology: India Bell Corea, Eugenia Cuvillier, Joseph Goldberger, Karla Heurich, Josephine Ireys, William Edwin Wood.

STUDENTS REGISTERED

1930-31

The names of all students registered during the regular sessions in all Divisions of the University appear in alphabetical order. Students who withdrew at the close of the first semester by graduation are indicated by an asterisk (*), others who were registered for the first semester only are indicated by a dagger (†); students registered for the second semester only are indicated by a double dagger (‡).

The Division in which the student is registered is indicated after each name. Arabic numerals indicate the semester-hours of credit at the date of first registration for the 1930-31 regular sessions. Roman numerals after the names of students in the School of Medicine, the School of Nursing, and the Law School, indicate the year of the course in which each student is registered.

The following abbreviations are used:

Jun.—The Junior College.

Col.—Columbian College.

Grad.—The Graduate School of Letters and Sciences.

Med.—The School of Medicine.

Nurs.—The School of Nursing.

Law—The Law School.

Eng.—The School of Engineering.

Phar.—The School of Pharmacy.

Ed.—The School of Education.

Govt.—The School of Government.

L. S.—The Division of Library Science.

F. A.—The Division of Fine Arts.

Spec.—The Division of University and Extension Students.

Uncl.—Unclassified.

Aal, Cary W. (Govt. 61)	D.C.	Adair, Edwin Ross (Law 11)	Ind.
†Aanestad, Albert T. (Spec.)	S.D.	A.B. 1928, Hilldale College.	Md.
Aaronson, Fabius Fox (Jun. 7)	D.C.	Adams, Dorothea Floretta (Jun. 32)	D.C.
Aasen, Grace H. (L.S. 106)	N.D.	Adams, Robert Loughbridge (Govt. 56)	D.C.
†Abbe, Margaret (Jun.)	D.C.	Adams, William Waugh (F.A. Arch.)	D.C.
Abbe, Perrena (Jun. 6)	D.C.	Adcock, Francis N. (Jun. 6)	D.C.
Abbe, T. Waldo (Eng. 104)	D.C.	Adkins, Alma Ernestine (Col. 63)	D.C.
†Abbott, Edward Edson (Ed., A.M.)	Mass.	Adkins, Edna May (Ed. 116)	N.Y.
A.B. 1920, Dartmouth College.		Adler, Harry (Med. III)	
Abel, Joseph Henry (F.A. Arch. 130)	D.C.	A.B. 1928, The George Washington University.	Tex.
Abeles, Sara Block (Col. 74)	N.J.	Adlof, Richard Ernest, jr. (Col. 60)	D.C.
†Aberg, Helen Charlotte (Spec.)	Conn.	Aetopoulos, George (Jun. 30)	D.C.
Abernathy, Ralph Lane (Jun.)	N.C.	Agey, Davis M. (Jun.)	Va.
Abiera, Petronilo (Col. 60)	P.I.	Agner, Robert Lee, jr. (Jun.)	D.C.
Abramson, Herbert (Spec.)	D.C.	Agnew, Marjorie Harriet (Jun. 43)	D.C.
A.B. 1924, A.M. 1925, The George Washington University.		†Agnew, Wallace B. (Eng.)	
Abramson, Margaret (Ed. 95)	Va.	†Agresti, Betty Marie (Jun.)	Mexico
Abramson, Norman (Law 1)	D.C.	Aguilar, Francisco Javier (Spec.)	Md.
†Achsreiter, Joseph Charles (Col., A.M. 12)	D.C.	†Ahlgren, Charles David (Jun. 31)	
A.B. 1929, The George Washington University.		†Ahumada, Raquel Jimenez (Grad., Ph.D.)	Ph.D.
Ackermann, Roland Frederick (Col. 70)	Iowa	A.M. 1929, Vassar College.	Md.
†Acree, Ellen Gray (Col., A.M. 3)	Va.	Aiella, Umberto Samuel (Jun. 12)	Tenn.
A.B. 1926, University of Richmond.		Aiken, Carolyn Bacon (Col., A.M. 12)	S.D.
Acree, Fred, jr. (Col. 8)	Tex.	Akre, Philip Sander (Jun. 51)	D.C.
		Albee, Irma von Esdorf (Ed. 72)	

Students Registered

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Albert, Arnold (Jun. 36)	N.Y.	Alt, Anna B. (Jun. 15)	Kan.
Albert, Dorothy Ruth (Col. 100)	D.C.	Althen, Alice Regina (Jun.)	D.C.
Albert, Gertrude (Ed., A.M. 9)	D.C.	Altman, Edith Rose (Spec.)	D.C.
A.B. 1907, University of Iowa.		†Alverson, Maxine Rogene (Spec.)	Pa.
Albert, Irvin Robert (Jun. 30)	D.C.	A.B. 1920, The George Washington University.	
Albert, John Jacob (F.A. Arch. 36)	D.C.	Ambrosi, Hugo Faust (Spec.)	D.C.
Alberti, Vincent Samuel (Col. 70)	N.Y.	Ambrosi, Mary Loman (Col., A.M.)	Md.
Albright, M. Louise (Ed. 82)	D.C.	A.B. 1920, The George Washington University.	
Alcorn, Lemuel Culp (Med. 11)	Pa.	Amdur, Leon H. (Law 1)	N.Y.
†Alden, A. Grace (Ed. 16)	D.C.	A.B. 1920; M.E. 1922, Columbia University.	
Alden, E. Ames (Jun. 28)	Mass.	†Ames, Margaret Capron (Jun. 30)	Neb.
Alderton, Cecelia Nichols (Col. 51)	D.C.	Amerman, George Monroe (Law 11)	Pa.
Aldrich, Helene Rachel (Jun. 20)	Ill.	A.B. 1920, Dickinson College.	
Aldridge, Beulah Price (Ed. 77)	D.C.	†Amig, Margaret Charlotte (Ed.)	Md.
Aldridge, Olive Ramsey (Ed. 122)	D.C.	*Amis, Bernard LaSalle (Law 111)	Va.
Aldridge, Virginia (Spec.)	Ky.	Amos, Henry E. (Col. 64)	Md.
†Aldridge, George Tellair (Jun. 54)	Ohio	Amster, Milton William (Med. 111)	N.Y.
Alexander, Elsie M. (Jun. 54)	D.C.	A.B. 1920, The George Washington University.	
Alexander, Herbert Lee, jr. (Jun. 45)	W.Va.	Ancheta, Alfonso T. (Spec.)	P.I.
Alfano, Nicholas Francis (Col. 62)	N.J.	Anda, Magnus (Eng. 53)	Calif.
Alford, Bernard Stanley (Govt. 53)	Mich.	Anderson, Ada (Spec.)	D.C.
†Algire, George Watson (Spec.)	Md.	Anderson, Ariel Elizabeth (Jun. 6)	Iowa
†Alcorta, Joseph E. (Grad., Ph.D. 15)	Neb.	Anderson, Bowman Cowne (Jun. 17)	Va.
A.B. 1927, Grand Island College.		Anderson, Bruce E. (Col., A.M. 9)	N.J.
A.M. 1928, Northwestern University.		A.B. 1924, Colorado College.	
†Allen, Anna McKnew (Ed. 48)	D.C.	Anderson, C. Milton (Spec.)	D.C.
†Allen, Cornelia Morgan (Ed. 89)	D.C.	†Anderson, Catherine Russell (Ed., A.M. 12)	D.C.
Allen, Edward Walter, jr. (Law 11)	Va.	B.S. 1921, Hastings College.	
E.E. 1925, University of Virginia.		Anderson, David Fred (Eng. 18)	D.C.
†Allen, Grandison Greer (Law 1)	Ky.	†Anderson, Edward Neil (Eng. 66)	D.C.
A.B. 1930, Vanderbilt University.		Anderson, Ellen Lamon (L.S. 98)	Va.
Allen, Henry Edward (Jun. 3)	Md.	Anderson, Grace Muriel (L.S.)	Minn.
Allen, Horton Sumner (Jun. 1)	D.C.	B.S. 1922, University of Minnesota.	
Allen, James C. (Col. 101)	D.C.	†Anderson, Howard Lee (Jun.)	D.C.
Allen, Joseph Fletcher (Eng. 32)	D.C.	†Anderson, James M. (Jun.)	Miss.
Allen, Katherine Virginia (Col. 64)	D.C.	†Anderson, Joseph A. (Spec.)	D.C.
Allen, Loren Edgar (Eng. 109)	Ky.	†Anderson, Lucille Greer (Jun.)	Ga.
Allen, Mabel Randolph (Spec.)	Va.	†Anderson, Margaret (Jun.)	D.C.
Allen, Mary Jane (Jun. 25)	D.C.	Anderson, Mildred Huth (Ed. 104)	D.C.
Allen, Mary Louise (Ed. 137)	D.C.	Anderson, Myron Althert (Jun. 47)	D.C.
†Allen, Philip Harper (Law 11)	Tex.	Anderson, Park Findley (Law 1)	Neb.
A.B. 1923, West Texas State Teachers' College.		†Anderson, Ruby R. (Jun.)	Va.
M.S. 1926, University of Iowa.		†Anderson, Ruth E. (Jun. 6)	Ill.
Allen, Ruth Joyce (Jun. 21)	Wash.	Anderson, Thomas Jerome (Jun. 27)	Minn.
Allen, William Forsyth (Col. 74)	Ga.	Anderson, Willis Ward (Jun.)	Va.
Allen, Barbara Bartlett (Ed. 8)	D.C.	Anding, Henry Moore (Law 111)	Iowa
Alley, Eva Leona (Ed. 93)	Iowa	†Andreas, Robert Alan (Law 1)	Ohio
†Alley, Marion Smith (Col. 11)	Md.	Andree, Richard Theodore (Jun. 43)	D.C.
Ph.G. 1928, The George Washington University.		Andrews, Don Darrel (Law 1)	Iowa
Allison, Andrew Vangiol (Law 11)	D.C.	B.S. in E.E. 1930, The George Washington University.	
Allison, William Morris (Col. 64)	Utah	†Andrews, Myron E. (Spec.)	Okla.
Allhouse, David Samuel (Col.)	Pa.	†Andrews, Walter Henry (Eng. 14)	S.C.
LL.B. 1930, The George Washington University.		Andrus, C. Frederic (Col. 109)	Ill.
†Allwine, Elsie May (Ed. 28)	D.C.	†Andujar, Carmen (Spec.)	Va.
Allyn, Charles Chapin (Law 1)	N.Y.	Angel, Herbert Edmund (Col., A.M. 3)	D.C.
Almiranz, Irines Pazatiempo (Jun. 18)	P.I.	A.B. 1930, The George Washington University.	
†Almquist, Ephraim J. (Spec.)	Minn.	Angelico, Bernice Randall (Col., A.M. 11)	D.C.
Alpaugh, Walter Abram (Spec.)	Va.	A.B. 1921, The George Washington University.	
Alpert, Henry Rowland (Med. 111)	N.Y.	Angier, James Franklin (Col. 66)	D.C.
A.B. 1920, The George Washington University.		†Angier, Marjorie Jeanne (Jun.)	Md.
Alpher, Robert (Law 1)	D.C.	Angle, Elizabeth Montague (Ed. 3)	D.C.
B.S. with distinction, 1930, The George Washington University.		†Anidon, Clarice G. (Spec.)	D.C.
Alpher, Robert Jerome (Eng. 126)	D.C.	†Ansell, Elmeda (Spec.)	N.C.
Alpher, Ruth (Jun. 18)	D.C.	Ansell, Samuel Tilden, jr. (Jun.)	D.C.
Alpher, Solomon (Law 1)	D.C.	Anstine, Clarence L. (Jun. 28)	Pa.
Alpher, Sylvia (Jun.)	D.C.	Apfel, Adele (Col. 38)	N.Y.
Alsen, Myrtle Frances Carolyn (Law 1)	Minn.		
A.B. 1922, The George Washington University.			

Aponte, Faustino (Jun. 35)	P.R.	†Backstrom, Helen (Spec.)	D.C.
Appleby, Lucile Drummond (Grad. 12)	Md.	†Backstrom, Russell E. (Spec.)	D.C.
A.B. 1927; A.M. 1929, The George Washington University.		Backus, Franklin Perkins (Jun.)	Va.
†Appler, Clarence Calvin (Jun.)	D.C.	Bacon, Marjorie (Col.)	Ga.
†Appler, Helen Irene (Ed. 54)	D.C.	†Badger, Margery (Jun. 42)	D.C.
Apter, Harry (Med. 1)	Conn.	†Baer, Anna Marie (Jun.)	D.C.
Apter, Leonard (Col. 115)	Conn.	Baer, George (Jun. 36)	D.C.
†Aquino, Antonino Q. (Spec.)	P.I.	Baer, Louis Henry (Law 11)	N.Y.
Archibald, Marjorie Hazel (Col. 66)	D.C.	Ch.E. 1927, Rensselaer Polytechnic Institute	
Arellano, Arsenio Yanza (Law 11)	P.I.	†Baetzner, Willard Herbert (Jun. 3)	D.C.
Arends, Katherine Sophia (Ed. 110)	D.C.	Bagranoff, Kroom Wilbert (Col. 75)	Mo.
Argel, Manuel R. (Eng. 52)	P.I.	†Bagwell, Richard Stockton (Spec.)	N.C.
Arick, Ned William (Law 111)	Ind.	Bailey, Alice Louise (Col. 50)	Ore.
A.B. 1926, Wabash College.		†Bailey, Audrey Crockett (Jun.)	W.Va.
Armstrong, Howard Wisler (F.A. 45)	Va.	†Bailey, Faye Margaret (Col. 66)	Iowa
Armstrong, Robert Harmon (Law 11)	W.Va.	Bailey, Frank E. (Eng. 48)	D.C.
Armstrong, William Rush (Eng. 26)	Md.	Bailey, Helen May (Jun. 50)	D.C.
Arnaud, Elaine Pauline (Col., A.M.)	D.C.	Bailey, James, jr. (Law 1)	Tenn.
A.B. 1927, Cornell University.		Bailey, Joan Adelaide (Nurs. 1)	Fla.
Arnold, Celia (Ed., A.M.)	D.C.	Bailey, Lawrence Kent (Jun.)	Kan.
A.B. 1929, The George Washington University.		Bailey, Lillie Porter (Ed., Ph.D.)	D.C.
Arnold, Irving Arthur (Col. 74)	Md.	A.B. 1920, The George Washington University.	
Arnold, Philip (Eng. 76)	Md.	Bailey, Linwood Kersey (Col., A.M.)	D.C.
Arons, Helen Rose (Jun.)	D.C.	A.B. 1930, The George Washington University.	
†Aronstein, Mary Libby (Jun. 6)	D.C.	†Bain, George W. (Eng.)	D.C.
Arps, Harold Fred (Col. 71)	Ohio	Bain, Wendell Henry (Jun. 36)	Iowa
Artz, Lena Clemens (Spec.)	Va.	Bair, Dorothy Ruth (Jun. 40)	Mich.
†Ashburn, Thomas Quinn, jr. (Spec.)	D.C.	Bairt, Esther (Jun. 12)	D.C.
Ashby, Wilda Irene (Nurs. 1)	Md.	Bajohi, Albert Joseph (Med. 11)	N.Y.
Ashley, Wanda Florence (Col., A.M.)	Idaho	A.B. 1929, Holy Cross College.	
B.S. 1930, University of Idaho.		Baker, Alida Annet (Jun. 37)	Mass.
†Ashmore, Jodie Eddie (Spec.)	D.C.	Baker, Arthur Gorham (Med. 111)	D.C.
Ashton, Henry George (Eng. 30)	D.C.	A.B. 1928, Swarthmore College.	
Ashton, Mildred (Jun. 12)	Pa.	Baker, Evelyn Marie (Ed. 62)	Md.
Ask, Reynold Everett (Eng. 48)	Minn.	Baker, Edward Arnold (Jun.)	D.C.
Asmuth, Minnie Louise (Law 111)	D.C.	Baker, Eva (Ed. 120)	D.C.
Astles, Ailene Edna (Spec.)	D.C.	Baker, Harry, jr. (Grad.)	
Atchison, Marguerite (Col., A.M.)	D.C.	A.B. 1924; A.M. 1926, The George Washington University.	
A.B. 1926, The George Washington University.		Baker, Homer Llewellyn (Jun.)	Wis.
Atherholt, Gordon Meade (Law Spec.)	D.C.	†Baker, Jack Carroll (Spec.)	D.C.
Atherton, Dolph Williams (Jun. 39)	D.C.	Baker, Laveda Mae (Jun. 12)	D.C.
Aviles, Alberto Diaz (Med. 1)	P.R.	Baker, Lenore Mary (Col. 74)	N.M.
B.S. 1930, University of Porto Rico.		Baker, Louis Stanford (Med. 1)	D.C.
Atkins, Claire Constance (Jun. 18)	D.C.	Baker, May Davis (Spec.)	Pa.
†Atkins, Constance Hay (Jun. 48)	D.C.	Baker, Nellie Catherine (Spec.)	D.C.
Atkins, John Lewis (Jun. 49)	D.C.	Baker, Rachel Agnes (Jun. 32)	Del.
Atterberry, Phil Russell (Govt. 28)	Mo.	Baker, Ralph Samuel (Law 111)	
Atwell, Harriet Johnson (Jun.)	Ohio	A.B. 1928, University of Delaware.	Va.
†Aubeck, Ruth Mary (Spec.)	N.Y.	Baker, Selden Stewart (Law 1)	S.C.
Aud, W. Dudley (Col. 70)	Md.	Baker, William Harrison (Col. 78)	D.C.
†Austin, Charles William (Spec.)	Va.	Bakshian, Mary Estella (Col. 58)	D.C.
†Austin, Robert Mills (Jun. 18)	Wyo.	†Balderson, Adele (Jun.)	Comp.
†Avery, Edward Frederick (Eng.)	D.C.	†Baldwin, Alfred Carleton, jr. (Law 111)	Mich.
Avery, Hastings P. (Spec.)	Ark.	†Baldwin, Claire Black (L.S. 3)	
Aybar, Jose Angel (Med. 1v)	P.R.	Baldwin, Joseph Addison (Law 11)	
Ayers, Ethel M. (Spec.)	D.C.	A.B. 1919, Albion College.	Va.
Babb, Gustavus Houston (Spec.)	D.C.	Baldwin, Joseph Lyle (Law 111)	D.C.
†Babcock, Aubrey Helen (Spec.)	D.C.	A.B. 1928, Roanoke College.	D.C.
Babcock, Henry Allen (Govt., A.M. 21)	Ark.	Baldwin, Robert French (Jun. 6)	Mich.
A.B. 1929, Arkansas College.		Baldwin, Thomas Robbins (Eng. 74)	
Babcock, Ruth Somers (Ed., Ph.D.)	N.J.	Ball, George Lindsay (Med. 111)	
A.B. 1929; A.M. 1930, The George Washington University.		Ph.G. 1929; A.B. 1930, The George Washington University.	Va.
Baber, Leonard C. (Eng. 95)	D.C.	Ball, Lawrence Deeble (Eng. 105)	Md.
Babypak, Joseph Baker (Med. 1)	Va.	Ball, Marjorie Dearing (Ed. 75)	Ohio
B.S. 1923, West Virginia Wesleyan University.		Ball, Norman Tower (Law 11)	
Bachman, Gertrude (Ed. 88)	D.C.	B.S. 1928, University of the City of Toledo.	D.C.
Back, Goldie (Col., A.M. 6)	Pa.	Ball, Robert Stewart (Jun. 18)	D.C.
B.S. 1921, University of Pennsylvania.		Ball, William Howard (Col. 70)	

Students Registered

XXV

Ballance, Webster Eugene (Jun. 46)	Ill.	Barrows, Vinnie Giffen (Col., A.M. 12)	D.C.
Ballard, James Henry (Jun.)	S.C.	A.B. 1906, Pomona College.	
Ballard, John Cornelius (Spec.)	D.C.	Barry, John Griffiths (Eng.)	Va.
Ballard, Wade Hampton, II (Law 1)	W.Va.	†Barse, Margaret Ethel (Spec.)	D.C.
A.B. 1927, West Virginia University.		Bartel, Helen Loraine (Jun. 42)	D.C.
Ballard, Walter Eugene (Law II)	Ala.	Bartelt, John Abbott (Col. 98)	Wis.
Balsamo, Joseph John (Med. II)	N.J.	†Bartholomew, Niles Clark (Eng.)	D.C.
B.S. 1930, University of Porto Rico.		Bartleson, Edwin L. (Col. 73)	Mo.
†Balter, Judith May (Spec.)	D.C.	†Bartlett, Miriam Gray (Spec.)	Mass.
Baltz, Elizabeth Boesser (Col. 88)	D.C.	Bartsch, Henry Guetdrum (Law II)	D.C.
Baltzell, Edna May (Ed. 74)	D.C.	Barwick, Charles Frank (Grad.)	Okla.
Bamberry, Anne (Col., A.M.)	D.C.	A.B. 1926; A.M. 1928, University of Oklahoma.	
A.B. 1916, University of Minnesota.		†Bassford, Alvin (Spec.)	D.C.
Bandel, E. Dorothy (Spec.)	Ariz.	Bashein, Gus (Med. II)	N.Y.
Banes, Thomas Scrimley (Eng. 39)	D.C.	Basson, Florence Lucille (L.S. 86)	D.C.
Bangert, Harold Wallace (Law III)	N.D.	†Bass, James Newton (Govt., A.M.)	Ala.
Banker, Russell Ellsworth (Eng. 51)	D.C.	A.B. 1927, Howard College.	
†Banks, Dolly M. (Jun. 27)	Ky.	Bass, John Fletcher (Jun. 60)	Okla.
Banks, Elizabeth Anna (Col. 95)	Conn.	Bass, Mary E. (Spec.)	D.C.
†Banks, Julia Ford (Spec.)	Va.	A.B. 1906, Goucher College.	
Bannerman, Mary Tufts (Spec.)	D.C.	A.M. 1918, University of Chicago.	
Bannerman, Robert Lee (Jun.)	Va.	Bassett, Irving Albertson (Phar. 68)	D.C.
Baranski, Sylvester N. (Jun. 36)	D.C.	Bassett, John Earl (Law II)	D.C.
Barbato, Michael Angelo (Spec.)	R.I.	†Bastable, Edwin Francis (Jun. 12)	D.C.
Barbee, Alger Yale (Eng. 31)	Md.	†Bastick, Lula Edna (Ed.)	Ohio
Barbee, Carl Joseph (Law II)	D.C.	Bateman, Jeanne Cecile (Spec.)	D.C.
B.S. in M.E. 1929, Purdue University.		Bateman, Roy Danby (Law I)	D.C.
Barczewski, Margaret J. (Ed., A.M.)	Wis.	Bates, Dorothy Amelia (Jun. 32)	Va.
A.B. 1927, Iowa State College.		Bates, George Newcomb (Law I)	D.C.
Barefoot, Essie (Nurs. II)	D.C.	A.B. 1930, Williams College.	
Barger, Benjamin Melvin (Jun.)	D.C.	Bates, Janet Louise (Ed. 72)	D.C.
Barker, Alma (Ed., A.M.)	D.C.	Batschlet, Clarence Edmund (Grad.)	Pa.
A.B. 1920, The George Washington University.		A.B. 1912, Franklin and Marshall College.	
Barker, Clifford O. (Jun. 57)	D.C.	A.M. 1926, The George Washington University.	
Barker, George Arthur (Eng. 19)	D.C.	Battle, Mildred Ida (Jun. 17)	D.C.
Barkley, Laura Louise (Spec.)	D.C.	Bauer, Grace Margaret (Ed. 63)	D.C.
†Barkley, William C. (Jun.)	Ky.	Baunersfeld, Emil Hesther (Col. 76)	Md.
Barkman, William Ernest (Jun. 17)	D.C.	Baugh, C. Elizabeth (L.S. 9)	Va.
†Barkmeier, Joseph Henry (Law I)	Neh.	Baughman, Wilbur N. (Col., A.M.)	Md.
A.B. 1922, Creighton University.		L.L.M. 1930, Georgetown University.	
B.F.S. 1923; M.F.S. 1926, Georgetown University School of Foreign Service.		Baulbir, George Edward (Jun. 23)	D.C.
Barlow, Lowell Walker (Law I)	Utah	Baum, Charles McNelly (Spec.)	D.C.
A.B. 1929, University of Utah.		†Baum, Flossie Mae (Spec.)	Pa.
Barnard, Preston H. (Spec.)	D.C.	Baum, Jerome Howard (Phar. 35)	D.C.
Barnes, Edward Oscar (Jun.)	D.C.	Bauman, Irving (Jun.)	D.C.
Barnes, Gordon Russelas (Ed. 69)	D.C.	Baumert, Francis Xavier (Med. 1)	N.Y.
Barnes, Maurice Runnels (Law, L.L.M.)	Utah	B.S. 1927, Catholic University.	
B.S. 1924, University of Utah.		Bawell, Ruth Amanda (Col., A.M. 3)	D.C.
L.L.B. 1930, The George Washington University.		A.B. 1930, The George Washington University.	
†Barnes, Ruth Ellen (Ed. 16)	D.C.	†Bawel, Helen Lindsey (Spec.)	D.C.
Barnes, Stuart Knowlton (Law II)	D.C.	Baxley, Louise Italia (Jun.)	Ga.
A.B. 1920, University of Utah.		Baxter, Elmer James (Eng. 56)	D.C.
Barnett, Alvin Russell (Eng. 10)	D.C.	Baxter, Russell James (Law II)	Ark.
Barnett, Edward Joseph (Phar. 64)	Ind.	A.B. 1930, University of Arkansas.	
†Barnhart, Olive Lane (Col., A.M.)	D.C.	Baxter, Ruth Dreher (Ed. 120)	D.C.
A.B. 1927, Louisiana State Normal College.		†Bayer, Mary Catherine (Jun.)	D.C.
Barnhill, Ella Louise (Nurs. I)	Va.	†Bayer, Guy M. (Jun.)	Ky.
Barnum, Glenn Lewis (Col., A.M.)	Va.	Bays, William Webb (Law III)	D.C.
B.S. 1930, The George Washington University.		A.B. 1904, Washington and Lee University.	
Barnum, Mildred Fonda (Spec.)	Md.	Beach, Arthur Eugene (Col., A.M.)	Mo.
Barnum, Susie Garnett (Jun. 66)	Va.	A.B. 1930, The George Washington University.	
Barr, Dallas Morgan (Jun.)	D.C.	Beach, Robert Page (Jun.)	Iowa
Barr, William Carlisle (Med. III)	D.C.	†Beach, Virginia Elizabeth (Spec.)	Md.
Barnett, Helen V. (L.S.)	Minn.	Beacher, Abraham I. (Med. III)	N.Y.
Barnett, Sara Virginia (Col. 98)	Ga.	A.B. 1929, The George Washington University.	
Barrick, Katherine Elliott (L.S. 56)	D.C.	Beacher, Milton (Jun.)	D.C.
Baron, Harry Alvin (Jun. 17)	Md.	Beahm, Hazel Christine (Jun. 12)	Va.
†Barrow, Wyle Winfield (Law III)	D.C.		
B.S. 1926, Roanoke College.			

†Beal, Nelle U. (Spec.)	Va.	Bennett, Winfield DeWitt (Jun. 31)	D.C.
Bealer, Carter Newman (Col., A.M. 9)	D.C.	Bennion, Vernal Rowland (Law 1)	Wyo.
A.B. 1927, The George Washington University.		B.S. 1930, Utah Agricultural College.	
Beall, Lucile (Jun.)	Tex.	†Benson, Bernard Hepburn (Eng. 29)	D.C.
Beall, Winifrede (Ed. 85)	D.C.	Benson, Elizabeth English (Ed. 111)	Md.
Beam, Vernon Boulter (Med. 1v)	Canada	Benson, Margaret Irene (Nurs. 1)	Pa.
Bean, Albert Wilbur (Spec.)	D.C.	Benson, Serge Nelson (Law 11)	Utah
†Bearce, Herrick Franklin (Eng. 20)	Me.	B.S. 1928, Utah State Agricultural College.	
Beard, William Henry (Med. 11)	D.C.	Benton, Mildred Catherine (L.S.)	D.C.
Beardsley, Charles Harrison (Law 111)	Mich.	Bequette, Elizabeth Jeannette (Jun. 29)	D.C.
B.S. in E. 1926, University of Michigan.		†Berezowski, Mary Josephine (Jun.)	D.C.
Beardsley, John Doe (Eng.)	D.C.	Berg, Jacob (L.S.)	D.C.
Beasley, Albert Ferrell (Law 111)	Ala.	A.B. 1927; A.M. 1928, The George Washington University.	
Beasley, Delmar Otis (Jun. 48)	Miss.	Berg, Moncure Burke (Law 11)	D.C.
†Beattie, Daniel C. (Jun. 49)	Va.	B.S. 1927, Princeton University.	
Beattie, May Ursula (Jun. 48)	Va.	Bergert, Earl Melvin (Law 11)	Ohio
Beatty, La Verne E. (Spec.)	Va.	B.S. in Ch.E. 1928, Carnegie Institute of Technology.	
Beavers, Frank William (Med. 1)	D.C.	Bergin, Anna Leona (Ed. 72)	D.C.
A.B. 1930, Williams College.		Bergin, Katherine Elizabeth (Ed., A.M.)	D.C.
Beck, Flossie Arizona (Law 11)	Ill.	A.B. 1930, The George Washington University.	
Beck, Foster Campbell (Law 11)	Ala.		
B.S. 1929, University of Alabama.		Berkowitz, Samuel (Col. 80)	N.J.
Becker, William Strayer (Law 11)	Ohio	Berman, Leonard Stanley (Jun. 36)	D.C.
A.B. 1923, The George Washington University.		Berman, Ralph (Jun. 6)	Mass.
Beckham, Claire (Col. 85)	Tex.	Berlesky, Harry Stephen (Med. 11)	Ohio
†Bedell, Louise (F.A.)	Fla.	A.B. 1920, Cornell University.	
†Beecher, F. Sidney (Col. 58)	Calif.	Bernhardt, Clarence Murray (Jun.)	D.C.
Beekman, Milton Mayer (Col. 76)	D.C.	†Bernhardt, James Curry (Spec.)	D.C.
Beelar, Donald Casper (Law 11)	Ore.	Bernstein, Jeanette (Col. 69)	D.C.
A.B. 1928, University of Oregon.		Bernstein, Libby Lorraine (Jun.)	D.C.
Been, Richard Olaf (Jun. 12)	Mich.	Bernstein, Mitchel (Jun.)	D.C.
Beers, Richard Wallace (Jun.)	D.C.	Bernstein, Rena (Col. 68)	Utah
†Beers, Robert G. (Jun.)	Mo.	†Berrett, Ray William (Spec.)	D.C.
Beers, Virginia Alice (Jun.)	D.C.	Berry, Charles Oscar (Law 11)	Md.
†Beery, Lyda Hart (Spec.)	Colo.	Berry, Jasper Maudit, jr. (F.A. 9)	Va.
Bein, Adele (Jun. 12)	D.C.	†Berry, Samuel Winfred (Govt. 66)	D.C.
Bein, Joseph David (Law 1)	D.C.	†Berry, Thomas Payne (Govt. 40)	D.C.
B.S. in M.E. 1930, The George Washington University.		Berryman, Elizabeth Beller (Col., A.M.)	
Bein, Kate (Jun. 57)	D.C.	A.B. 1917, The George Washington University.	
Beitzell, Mary Louise (Col., A.M. 12)	D.C.	Berryman, Louise Rheas (Col. 69)	D.C.
A.B. 1922, College of Notre Dame of Maryland.		Berto, Charles (Ed. 64)	D.C.
Belfield, William Randolph (Jun. 24)	Md.	†Berto, Joseph (Spec.)	D.C.
†Belk, Ethel Cora (Spec.)	S.D.	†Beasley, Eletheer La Moree (Jun. 6)	Ill.
†Belk, Vida M. (Col., A.M. 18)	S.D.	†Best, Howard Paul (Jun. 58)	Iowa
B.S. 1923, South Dakota State College of Agriculture.		†Betensky, Leon (Col. 62)	D.C.
†Bell, Gilbert A. (Spec.)	Pa.	Betkofer, Wilfred Alvin (Col. 90)	Va.
Bell, Grace (Nurs. 111)	Md.	Bibb, Florine Merriweather (Nurs. 1)	D.C.
Bell, John O. (Jun. 42)	Va.	†Bickford, Anna A. (Spec.)	D.C.
Bell, Katharine Florence (Ed., A.M. 5)	D.C.	Bickford, Mildred Fay (Ed. 110)	D.C.
B.S. 1920, University of Kentucky.		†Bielous, Eva Gabrielle (Jun. 13)	Pa.
Bell, Margot (Spec.)	D.C.	Bier, Bertha S. (Jun. 32)	Minn.
†Beller, Leona Marie (Jun. 41)	Wis.	Bierman, Roberta Anna (Col. 102)	Calif.
†Beller, Mary Adelaide (Ed. 103)	D.C.	Bieseimer, Harold (Law 11)	
†Beller, Sadie White (Ed., A.M. 20)	D.C.	Graduate, 1918, U. S. Naval Academy.	Mass.
A.B. 1919, The George Washington University.		†Bigelow, Henry Waith, jr. (Col., M.S.)	
Belnick, Esther (Jun. 18)	D.C.	B.S. in Eng. 1930, Tufts College.	
Belt, Estelle Anne (Ed. 81)	D.C.	†Biggers, James Walton, jr. (Jun. 41)	D.C.
Belt, George Harley (Govt. 12)	Md.	Biggerstaff, Joseph Aloysius (Spec.)	La.
Belt, Mildred (Col., A.M.)	Md.	Biggs, Evelyn (Spec.)	N.C.
A.B. 1917, Goucher College.		†Biggs, Margaret Johnson (Jun.)	Utah
Benedict, James (Jun.)	D.C.	Billings, Thomas Elton (Law 11)	Utah
Benenson, Martha (Ed. 100)	D.C.	Billings, Victor LaVon (Eng. 62)	W. Va.
Benenson, Philip (Col. 67)	D.C.	Billups, Clyde (Law 1)	
†Benesh, Marjorie (Spec.)	S.D.	A.B. 1926, Marshall College.	D.C.
Benn, James Harrison (Jun.)	D.C.	Biondi, Alice May (Jun.)	Pa.
†Bennett, Mildred Crooke (Ed.)	D.C.	Biondo, Paul M. (Med. 111)	D.C.
Bennett, Evert G. (Eng. 12)	Ore.	Birch, Catharine (Col. 68)	Iowa
Bennett, Richard Dana, jr. (Eng. 54)	D.C.	Bird, Margaret Agnes (L.S. 87)	D.C.
		Birdseye, Charles Whitney (Col. 102)	

Students Registered

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Birnberg, William Irving (Med. III) A.B. 1928, The George Washington University.	N.Y.	Blythe, Irene Thomas (Ed., A.M.) A.B. 1930, The George Washington University.	D.C.
Birthright, Milton Parkins (Eng. 113)	Md.	Blythe, John Henry (Col., A.M. 24)	Ky.
† Bishop, Alfred David (Spec.)	Ore.	A.B. 1926, The George Washington University.	
† Bishop, Harold Albert (Law III)	Ill.	Boas, Louis Charles (Med. III)	N.Y.
A.B. 1926, Bradley Polytechnic Institute.		A.B. 1929, The George Washington University.	
Bishop, Mildred Sylvia (Jun.)	Me.	Bohski, Mary Eleanor (Jun.)	Mass.
Bishop, Virginia (Jun.)	D.C.	Bohskil, Stanley Wallace (Col. 98)	D.C.
Bitner, Forrest Gary (Eng. 72)	Ind.	Bock, Henry William (Law II)	D.C.
Black, Adele (Jun. 40)	D.C.	† Bockoven, Ella Marie (Jun. 51)	D.C.
Black, Donald Chain (Jun.)	Tex.	Boisjov, Anna Margaret (Jun. 27)	Ill.
† Black, Florence (Col., A.M.)	Md.	Boisch, Paul Raymond, Jr. (Jun.)	D.C.
A.B. 1926, Western Maryland College.		Boitcher, Allen McFarland (Eng. 12)	D.C.
Black, Henry Franklin (Law II)	Vt.	A.B. 1925, The George Washington University.	
B.S. 1928, Norwich University.		Bogarus, William Porter (Jun. 18)	D.C.
Blackburn, Arthur Samuel (F.A. 59)	Pa.	Bogley, Jane Elizabeth (Ed. 62)	Md.
† Blackburn, Ruth (Col., A.M.)	Kan.	Bohn, Theodore Roosevelt (Law II)	Utah
A.B. 1920, Northwestern College.		B.S. 1928, University of Utah.	
Blackstone, Margaret A. (Jun. 27)	D.C.	† Boivin, Patrick Alfred (Jun. 21)	D.C.
Blackstone, Zachariah Deminieu, III (Eng. 8)	D.C.	† Boliek, Leo Ernest (Ed., A.M. 24)	D.C.
Blackmer, Dale R. (Eng. 26)	D.C.	A.B. 1915, Lenoir College.	
Blaine, James William (Jun. 18)	Idaho	Bollinger, Theresa (Jun.)	D.C.
Blaine, Raymond L. (Col., A.M.)	Minn.	Bojls, Leila Willie (Jun. 12)	D.C.
A.B. 1928, Gustavus Adolphus College.		* Bolton, Helen Hasford (Ed., A.M. 14)	D.C.
Blair, John Alexander (Law II)	Okla.	A.B. 1921, The George Washington University.	
M.E. 1928, Cornell University.		Bolton, Robert Meston (Med. IV)	D.C.
† Blair, Louise Frances (L.S., A.M. 6)	Tex.	Boufant, Virginia L. (Ed. 59)	Va.
A.B. 1910, College of Emporia.		Bonner, Anna Louise (Ed. 61)	Md.
Blaindell, Eleanor Wingate (Jun. 27)	N.H.	Bonnerjea, Rene (Jun.)	D.C.
Blaywas, Abe (Med. III)	D.C.	Borson, William D. (Ed., A.M.)	D.C.
Blake, Ennis Clare (Col. 96)	Idaho	A.B. 1922, University of Illinois.	
Blake, Katharine Cecile (Jun. 34)	D.C.	Banwit, Julia Audrey (Col. 66)	D.C.
Blake, Monroe Williams (Govt. 60)	Ohio	Book, Abraham Benjamin (Law I)	N.C.
Blakely, Sarah Thorne (Col., A.M.)	Tenn.	A.B. 1930, Duke University.	
A.B. 1914, Erskine College of Due West.		† Bookman, Howard (Law I)	Ill.
Blackstone, William Stone (Med. III)	Md.	† Bookman, Leonard M. (Jun.)	Pa.
Blanc, E. Clarence (Jun.)	D.C.	Boote, Willard Etheridge (Jun. 12)	Del.
Blank, Henry Samuel (Med. III)	N.Y.	† Bootes, Anne Catherine (Col.)	Okla.
A.B. 1920, The George Washington University.		Borsh, August Marshall (Col. 66, Law III)	La.
Blazins, William Marion (Med. II)	Pa.	Borsh, Eleanor Dewees (Col., A.M. 12)	
† Bledsoe, N. Maurice (Jun.)	D.C.	A.B. 1915, Tulane University.	
† Bledsoe, Samuel Benton (Law Spec.)	Tenn.	Booth, Nancy Frazier (Jun.)	D.C.
† Bleicher, Frank (Jun.)	D.C.	Boozter, Virgil Young, Jr. (Jun.)	N.C.
† Bleicher, Mary Miriam (Jun. 9)	D.C.	Borden, Hazel A. (Col., M.S. 49)	Mass.
Blew, Forrest Allen (Eng. 91)	Md.	A.B. 1926, The George Washington University.	
Block, Edward Lippmann (Law I)	N.Y.	Borison, Rosalie (Jun.)	D.C.
B.S. in M.E. 1930, New York University.		Borjes, Margaret Alexander (Jun. 29)	D.C.
Blond, Ruth Theresa (Jun. 24)	D.C.	Borlick, Edward Leo (Eng. 14)	D.C.
Bloom, Paul Elmer (Govt.)	Minn.	† Bosley, Herbert Knight (Law I)	D.C.
Blorc, Stephen Walter (Law II)	D.C.	A.B. 1921, West Virginia Wesleyan University.	
B.S. in E.E. 1928, University of Idaho.		Borwell, Robert Echo (Med. III)	Ohio
Blose, James Frank (Eng. 42)	D.C.	Borlin, Eugenia (Ed. 21)	D.C.
Bloss, Rhoda Margaret (Jun.)	D.C.	Boudinot, Henry Meigs (Eng. 58)	D.C.
Blossum, Robert Vaughan (Jun.)	N.Y.	† Boudinot, Robert C. (F.A.)	Iowa
Bluedorn, William Reinhold (Col. 85)	D.C.	† Boulware, Mary Blanche (Col. 62)	D.C.
Blum, Janice (Ed., A.M. 22)	D.C.	Boutin, Harold Lester (F.A. 17)	D.C.
A.B. 1925, The George Washington University.		Bouve, Warren Lincoln (Eng.)	Md.
† Blumberg, William (Eng.)	Md.	Bovey, Harold Strule (Eng. 65)	D.C.
† Blumenfeld, Rose Babette (Spec.)	Va.	Bowden, Bernice Saunders (Ed.)	Md.
A.B. 1928, The George Washington University.		Bowe, Leon Evans (Spec.)	D.C.
Blumer, Audrey Estelle (Ed. 48)	D.C.	A.B. 1925, Hiram College.	
† Blurton, Clarence Harry (Spec.)	D.C.	M.S. 1927, Cornell University.	
† Blyholder, Kathryn (Jun. 32)	Pa.	Bowen, Ollie James (Law III)	Ky.
Blythe, Francis Marion (Eng.)	Md.	A.B. 1920, University of Kentucky.	
Blythe, Harold Hillman (Law I)	Ohio	Bower, Donald L. (Spec.)	Pa.
		Bowes, Fern Henrietta (Ed. 115)	D.C.
		† Bowie, Audrey A. (Spec.)	D.C.

Bowie, Donald McAlpin, jr. (Law 1)	Md.	†Breakey, Herbert Abner (Spec.)	D.C.
Bowie, Frank M. (Jun. 24)	D.C.	Brearley, Thomas Meigs (Eng. 108)	D.C.
Bowles, Edgar O. (Jun. 44)	D.C.	Brechbill, Henry H. R. (Ed. 32)	Md.
Bowman, Frank Llewellyn (Jun. 26)	W. Va.	Breck, Alice Evelyn (Jun. 3)	D.C.
Bowman, Nelle Maude (Nurs. 11)	N.C.	Breck, Leah Esther (Spec.)	D.C.
Boyce, Don H. (Col., M.S.)	N.Y.	Breckinridge, Virginia (Spec.)	D.C.
B.S. 1929, Syracuse University.		†Breen, Jack J. (Col. 18)	N.I.
Boyce, Glen Frederick (Jun.)	Vt.	Breen, Virginia Ruth (L.S., A.M. 9)	D.C.
Boyd, Helen Marie (Law 111)	D.C.	A.B. 1929, The George Washington University.	
A.B. 1927, University of Wisconsin.		Brenner, Abner (Spec.)	D.C.
†Boyd, Robert Giddings (Law 1)	D.C.	Breslow, Samuel (Med. 19)	N.Y.
B.S. 1928, University of Porto Rico.		Breslow, Samuel (Med. 11)	N.Y.
M.A. in F.S. Georgetown School of Foreign Service.		Bresnahan, Pauline Snyder (Ed.)	D.C.
Boyd, Robert Osborne (Law 1)	Ore.	Bretler, Herman Bear (Phar. 81)	D.C.
A.B. 1926, Amherst College.		Brett, Pauline Myrtle (Jun. 41)	D.C.
Boyd, Samuel (Eng. 70)	D.C.	Brewer, Donald DeWitt (Col. 62)	D.C.
Boyer, Evelyn D. (Govt. 72)	D.C.	†Brewer, John Buchanan (Jun. 22)	Md.
Boyer, James Barnes (Law 111)	D.C.	Bria, William Francis (Med. 11)	Conn.
B.S. in E.E. 1928, Pennsylvania State College.		Briant, Raymond C. (Col., A.M.)	D.C.
Boyer, Milton McKendree (Med. 19)	Md.	B.S. 1926, LaFayette College.	Ill.
A.B. 1928, The George Washington University.		Briggs, Florence Estelle (Jun. 3)	D.C.
Boyer, Ralph (Ed., A.M.)	Okl.	Brightenburg, John Wooster (Eng. 34)	D.C.
B.S. 1911, Epworth University.		Briguglio, Alhdo Emanuel (Jun.)	D.C.
†Boykin, Katharine Lillian (Col. 98)	D.C.	†Brill, Fannie (Jun.)	D.C.
†Boykin, Maury (Spec.)	Va.	Brill, Isadore (Col. 127)	
Boykin, Robert Lanham (Law 11)	Ind.	LL.B. 1930, The George Washington University.	
†Boykin, William Emmett (Jun. 9)	D.C.	Brillhart, Lena Pearl (Ed. 65)	W. Va.
Boyle, Mary Marian (Jun. 31)	D.C.	†Brindell, Clarence K. (Jun. 9)	Pa.
Boyle, Robert Joseph (Jun. 47)	Pa.	Brining, David George (Jun. 34)	D.C.
†Boyle, Robin (Jun.)	D.C.	†Brinker, Robert Durie (Ed., A.M. 23)	Va.
†Boynton, Jean (Spec.)	D.C.	A.B. 1928, Marshall College.	N.C.
Brabson, George Dana (Col., A.M. 9)	Tenn.	Brinkley, Inez (Nurs. 1)	D.C.
A.B. 1916, University of Tennessee.		Brinkley, Mary Hamilton (F.A. 88)	N.I.
†Braddy, Naomi Elaine (Jun.)	Ill.	†Brinkman, Clifford John (Jun.)	Pa.
Bradford, Marion Harlan (Spec.)	D.C.	Brinsky, Nicholas Anthony (Jun. 35)	Md.
Bradford, Thomas Alden, jr. (Eng. 56)	D.C.	Britton, Mary Virginia (Spec.)	
†Bradley, George Francis (Spec.)	Pa.	Broadbent, Frances Harrison (Col., A.M.)	D.C.
Bradley, Louis Francis, jr. (Law 1)	D.C.		
†Bradley, Sydney Edward (Jun.)	D.C.	A.B. 1930, Wilson College.	W. Va.
†Bradley, Walter Mortimer (Spec.)	Tex.	Brock, Evelyn Grace (Jun.)	S.C.
†Bradley, William Cheney (Law 111)	Ohio	†Brock, John Patterson (Jun.)	Pa.
Bradshaw, Max Abraham (Col., M.S. 14)	Md.	Brod, Jacques Leonard (Law 1)	D.C.
A.B. 1921, The George Washington University.		Broders, Douglas Stuart (Jun.)	N.Y.
†Bradt, Mary Elizabeth (Law 1)	Ind.	†Brodelt, Hikka E. (Jun.)	Jun.
A.B. 1925; A.M. 1925, Indiana University.		Broddick, Louis Andrew (Med. 1)	N.C.
Bradt, Paul (Col., A.M. 38)	Ind.	†Brogden, Roy Osborne (Govt. 18)	D.C.
A.B. 1927, Indiana University.		Bronaugh, Frank H. (Eng. 124)	D.C.
†Brady, Katharine D. (Spec.)	D.C.	†Brook, Carroll Everett (Spec.)	Pa.
Brady, William Hampton (Jun. 51)	Md.	Brook, May Louisa (Col. 65)	Va.
Brainin, Ruth (Jun. 21)	Md.	Brookfield, Eugenia Lewis (Jun.)	Iowa
Brainin, William (Med. 1)	Md.	†Brookfield, Lucy M. (Jun.)	Iowa
Bramell, Nora K. (Ed.)	D.C.	Brookhart, Edith (Jun. 32)	Iowa
Bramhall, Charles Harold (Eng. 59)	D.C.	Brookhart, Florence Hearn (Med. 1)	
Branch, John Radcliffe (Jun.)	Md.	Brookhart, Smith W., jr. (Law 111)	
Brand, Morris (Med. 11)	N.Y.	A.B. 1929, The George Washington University.	Ohio
A.B. 1929, The George Washington University.		*Brookley, Zelpa Catherine (Law 111)	
Brand, Oscar Leonard (F.A.)	D.C.	A.B. 1916, Miami University.	Tex.
†Brandt, John Walter (Spec.)	Pa.	Brooks, Albert Edwin, jr. (Law 11)	D.C.
Brannock, Walter Wallace (Jun.)	D.C.	†Brooks, Alice Stronberger (Ed. 12)	Md.
Branson, Eleanor Kober (L.S. 61)	D.C.	Brooks, Boyd Shreve (Col. 73)	D.C.
Brantley, Frances Sease (Jun. 52)	D.C.	Brooks, Carolyn (Jun. 26)	D.C.
Brasch, Carolyn Mildred (Col. 46)	D.C.	Brooks, Gilbert (Eng. 66)	D.C.
Brasel, John Royal (Eng. 88)	D.C.	Brooks, Janeiro Virginia (L.S.)	
Braserton, Mary Louise (Jun. 52)	Ohio	A.B. 1930, The George Washington University.	D.C.
†Brastrop, Paul (Jun.)	N.D.	Brooks, Solomon (Med. 11)	
Brauer, John J. (Law 11)	N.Y.	A.B. 1929, The George Washington University.	D.C.
Bray, Alice Pollock (Spec.)	D.C.	Brooks, Thomas Ransel (Spec.)	D.C.
Bray, William Joseph (Jun.)	Ala.	Brotz, Lewis Earl (Jun.)	

Students Registered

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Brower, Edgar Jay (Col. 77)	Iowa	†Brush, Charles Edward (Spec.)	Md.
†Brower, Margaret Emma (Law 1)	D.C.	B.S. in M.E. 1930, The George Washington University.	
A.B. 1930, University of Maryland.		Bryan, Frank Bruce (Jun. 36)	Va.
†Brown, Agnes Marjorie (Col. 67)	Iowa	†Bryan, Fred Allen (Jun. 36)	Va.
Brown, Ammi (Spec.)	D.C.	†Brylawski, Julian Aaron (Eng. 27)	D.C.
A.B. 1897; A.M. 1902, Harvard University.		Bubar, Garnet Evelyn (Jun.)	N.Y.
Brown, Beatrice Bethora (Jun. 9)	Wis.	Buchanan, Bessie (Jun.)	D.C.
Brown, Carey Wilson (Col., A.M. 12)	N.C.	Buchanan, Cedric Hardee (Jun.)	Conn.
A.B. 1929, The George Washington University.		Buchanan, Margaret Beall (Spec.)	Md.
Brown, Carl Ernest (Jun. 37)	Utah	Buchanan, Margaret Mae (Jun.)	D.C.
†Brown, Corinne (Jun. 44)	Ark.	Buchanan, Martha Hopkins (Ed. 69)	D.C.
†Brown, Donald M. (Spec.)	D.C.	Buchner, Abbott Greene (Ed. 83)	Pa.
Brown, Edward, jr. (F.A. 121)	D.C.	Buchler, Milton (Law 11)	D.C.
Brown, Erma (Spec.)	Mo.	B.S. in M.E. 1925, University of Michigan.	
Brown, Frederick Edward (Jun.)	D.C.	Buckingham, Hugh Woodstock (Eng. 3)	D.C.
†Brown, Gordon Harry (F.A.)	Iowa	Buckingham, John Hesmer (Jun. 54)	D.C.
Brown, Helen May (Jun. 18)	Md.	Buckler, Edythe Annie (Ed. 117)	D.C.
Brown, Irvin Arthur (Jun.)	D.C.	Buckles, Clifford Worthington (Jun. 43)	Va.
†Brown, Jack Robert (Spec.)	Mo.	Buckley, Carter W. (Jun. 18)	Va.
Brown, James Kirkpatrick (Eng. 89)	D.C.	Buckley, Richard Randolph (Jun. 32)	Va.
†Brown, Janice (Spec.)	N.C.	Buckman, Bertha Schooley (Col. 69)	Va.
†Brown, Janet (F.A.)	N.J.	Budd, Barbara Frances (Jun.)	D.C.
†Brown, Jeanne Alexandra (Jun.)	D.C.	Budd, Wesley Riddle (F.A. 15)	D.C.
Brown, John Lawrence (Med. 11)	Calif.	Buehler, Laura (Spec.)	D.C.
†Brown, John Tunstall (Spec.)	Va.	†Buehler, Luther Alexander (Spec.)	Pa.
Brown, Lawrence Perrigo (Col. 106)	N.Y.	Bugbee, Mary Florence (Col. 79)	D.C.
†Brown, Leonard Percival (Spec.)	Va.	Buglass, Dorothy G. (Jun.)	Wis.
Brown, Lois (Spec.)	D.C.	Bulla, Sarah Elizabeth (Col. 82)	N.C.
Brown, Lucy Williams (Law 11)	Tex.	Bullion, Leroy DeWolfe (Eng. 81)	D.C.
Brown, M. Dimple (Spec.)	D.C.	Bullis, William Francis (Ed., A.M. 21)	D.C.
Brown, Margaret Louise (L.S.)	Ark.	Graduate, 1924, U. S. Naval Academy.	
A.B. 1927, The George Washington University.	N.C.	Bulman, Joseph (Law 111)	D.C.
Brown, Mary (Spec.)	D.C.	†Bunch, Coyita (Jun.)	D.C.
Brown, Mary Agnes (Law 111)	N.H.	Bunch, Mildred V. (Ed. 57)	D.C.
A.B. 1924, The George Washington University.		Bundy, Emory Edwin (Law 1)	Wash.
Brown, Max H. (Jun. 25)	Mo.	A.B. 1927, Whitman College.	
Brown, Paul Ambrose (Eng. 8)	D.C.	A.M. 1930, The George Washington University.	
†Brown, Rachel Nourse (Spec.)	Md.	Bundy, Ross Pearl (Col. 62)	N.Y.
Brown, Robert Ammour (Spec.)	D.C.	Bunker, Landon Priscilla (Jun.)	D.C.
Brown, Robert Thomas (Law 1)	Mass.	Buntun, Paul B. (Jun. 3)	D.C.
Brown, Robert Washington (Law 111)	Ark.	Burbank, Virginia Katherine (Col. 108)	Md.
A.B. 1916, University of Arkansas.		†Burbidge, John Raymond (Med. 1v)	Idaho
Brown, Ruth Miller (Jun. 24)	D.C.	B.S. 1924, University of Idaho.	
Brown, Ruth Ronning (Col. 99)	Minn.	Burch, Helen Regina (Ed. 82)	D.C.
†Brown, Southwell (Jun. 42)	D.C.	Burch, Irma Louise (Ed. 87)	D.C.
Brown, Virginia Mitchell (Col., A.M.)	D.C.	Burd, Howard Apgar (Eng. 62)	Md.
A.B. 1930, The George Washington University.		Burger, Anna Margaret (Jun.)	D.C.
†Brown, William T. (Jun.)	Fla.	Burger, Dallas Osville (Col., A.M.)	Pa.
Brown, Wilver Ida (Jun. 57)	D.C.	B.S. 1930, Lehigh University.	
†Brownridge, Fleetwood (Spec.)	Conn.	Burgess, Archie Perciville (F.A. 48)	D.C.
Brownton, Wesley Frederick (Law 11)	Ore.	Burgess, Forrest Franklin (Jun. 55)	D.C.
†Bruce, Andrew Davis (Spec.)	D.C.	†Burgess, Maris Dean (Law 1)	D.C.
†Bruce, Louise Frances (Govt. 54)	D.C.	†Burks, Jack (Law 1)	Tex.
†Bruce, Mary Louise (Spec.)	D.C.	B.S. in M.E. 1930, Agricultural and Mechanical College of Texas.	
†Bruce, Myrtle Heisen (Jun. 55)	Va.	†Burley, Mary Evelyn (Ed. 51)	D.C.
†Bruger, Alice (Spec.)	D.C.	†Burlingame, Harry Lamson (Jun. 9)	D.C.
Brugman, Lawrence William (Law 1)	Ill.	Burlingame, Isabel Barber (Col. 92)	D.C.
B.S. in M.E. 1930, University of Illinois.		Burn, Lester Truman (F.A. 33)	D.C.
Brumbaugh, Robert C. (Jun. 23)	Pa.	Burnett, Donald Briggs (Jun. 36)	D.C.
†Brumley, Mary Jane (Spec.)	Iowa	Burnham, Mildred Moger (Govt. 66)	D.C.
Brunner, John Grayson (Eng. 24)	D.C.	Burnham, Paul F. (Col. 97)	Utah
Brunner, Mabel Viola (Ed. 73)	Md.	Burns, Eveline D. (Col. 113)	D.C.
Brunchwig, Lily (Grad.)	D.C.	†Burns, Helen Cornelia (Spec.)	D.C.
A.B. 1927; A.M. 1930, The George Washington University.		Burns, James Theodore (Jun.)	D.C.
Brunchwig, Marguerite (Col. 61)	D.C.	Burns, John Fielding (Eng. 57)	Va.
		Burns, Mary Elizabeth (Nurs. 11)	N.C.
		†Burns, Reo Cecil (Spec.)	D.C.
		A.B. 1915, Cedarville College.	
		†Burnside, Carlton Earl (Spec.)	D.C.

Burnside, Helen Hinman (Ed., A.M.) A.B. 1924, University of Colorado.	D.C.	Calomaria, John Louis (Jun.)	D.C.
Burnside, Melmon L. (Jun. 18)	Mass.	†Cameron, Mary Louise (Jun. 14)	Iowa
Burr, Julia R. (Jun. 48)	Ohio	Cammack, Corinne Frances (Jun. 46)	D.C.
Burritt, John Morey (Law 1)	S.D.	Cammack, Horace Somerville (Eng.)	D.C.
Burritt, Loren (Col., M.S. 7)	D.C.	*Camp, Thomas Lee (Law 11)	Ga.
A.B. 1927, The George Washington University.		A.B. 1925, Oglethorpe University.	
†Burroughs, Clara H. (Spec.)	D.C.	Campbell, Alexander Phillip (Law 11)	Pa.
Burroughs, Janice (Col., A.M.)	D.C.	A. B. 1910, Pennsylvania State College.	
A.B. 1910, The George Washington University.		†Campbell, Anna (Spec.)	N.J.
Burrows, Addison Ellsworth (Jun. 33)	Kan.	Campbell, Barbara (Jun. 23)	Va.
Burrows, Gladys B. (Jun. 6)	D.C.	Campbell, Charles Stewart (Law 11)	W.Va.
Burrus, Charles Carroll (Col., A.M. 15)	Md.	B.S. in E.E. 1928, University of Colorado.	
A.B. 1925, Randolph-Macon College.		Campbell, Colin (Law 11)	Va.
Burton, Dorothy Paugh (Col. 71)	D.C.	Graduate, 1917, U.S. Naval Academy.	
†Burton, Elizabeth Duvall (Col., A.M.)	Md.	Campbell, George Ball (Law 1)	D.C.
A.B. 1928, The George Washington University.		B.S. 1928, The George Washington University.	
*Burton, Lawton (Law 11)	Okla.	Campbell, Jean (Col. 120)	D.C.
†Burton, Marjorie Virginia (Jun. 12)	D.C.	Campbell, Jean Thompson (Spec.)	D.C.
Burton, Wilson Egbert (Ed. 126)	Minn.	†Campbell, Marion (Law 11)	Pa.
Busch, Margaret Temple (Jun. 18)	D.C.	Campbell, Marion William (L.S. 94)	D.C.
†Busey, Fred B. (Spec.)	Ala.	Campbell, Myrtle (Col., A.M. 13)	Ala.
Bush, Donald Porter (Law 11)	Wyo.	A.B. 1929, The George Washington University.	
Graduate, 1929, U.S. Naval Academy.		Campbell, Neil Porter (Med. 19)	D.C.
Bush, Grace (Ed., A.M. 5)	D.C.	Campus, Bernard (Med. 19)	N.Y.
A.B. 1927, The George Washington University.		Candland, Harold Arthur (Law 11)	Utah
†Bush, Ida (Jun. 18)	D.C.	Cannon, David P. (Law 1)	Va.
Bush, Mary Louise (Ed. 50)	D.C.	A. B. 1928, Duke University.	
Bush, Eleanor Recie (Ed. 57)	D.C.	Cannon, Edward Lee (Law 11)	Va.
†Bushman, Vernon L. (Col. 63)	D.C.	A.B. 1926, Duke University.	
Bushong, Edna E. (Jun. 12)	D.C.	†Cannon, M. Hamlin (Law 1)	Utah
†Busick, Cornelia Elizabeth (Ed. 93)	Va.	†Cannon, Preston Leland (Law 11)	Calif.
Butler, Edward Fox (Ed. 52)	Va.	Cannon, Warren Hamlin (Law 1)	Utah
Butler, Evelyn Rebecca (Jun. 12)	D.C.	A.B. 1920, University of Utah.	
Butler, Henry Lee (Med. 1)	Va.	Cantrell, Walter Thurman (Law 11)	Okla.
Butler, Henry Milton (Phar.)	D.C.	B.E.E. 1916, University of Arkansas.	
Butler, Mary Marion (Col. 64)	D.C.	Cantu, Catarino Ricardo (Jun.)	Tex.
Burtrum, Lena Heaner (Ed. 78)	D.C.	†Caouette, Ralph Gordon (Jun.)	D.C.
Butts, R. Beecher (Jun.)	Okla.	Caplan, Max (Law 11)	D.C.
Butts, Wesley Eakins (Eng. 54)	D.C.	A.B. 1910, The George Washington University.	
†Butturf, Robert R. (Jun. 45)	S.D.	Caplan, William (Eng. 18)	D.C.
Buzzard, Robert Walter (Col., M.S.)	D.C.	Caprio, Frank Samuel (Med. 19)	N.J.
B.S. 1926, Michigan State College.		A.B. 1927, University of Pennsylvania.	
Byers, Jason Harold (Col. 108)	D.C.	Card, Bruce Walter (Law Spec.)	S.C.
Byington, Moses Brownlow, jr. (Law, LL.M.)	Tenn.	Carden, Mary Stuart (Ed. 93)	D.C.
Graduate, 1918, U.S. Naval Academy.		Cardona, Angel A. (Med. 19)	P.R.
LL.B. 1926, The George Washington University.		†Cardozo, Edward Samuel (Spec.)	Va.
†Caballero, Jose Capo (Law 1)	P.R.	A.B. 1908, A.M. 1909, Randolph-Macon College.	
†Cadel, Inez Louise (Spec.)	D.C.	LL.B. 1910, Richmond College.	
Cadwalader, Mildred LaVerne (Col. 53)	Ill.	A.M. in Ed. 1921, Columbia University.	Neb.
Cady, John Parmelee (Law 11)	D.C.	Caredis, Edward Alexander (Law 11)	
Graduate, 1922, U.S. Naval Academy.		A.B. 1910, University of Nebraska.	Md.
†Cahan, Samuel Ray (Jun.)	Pa.	Carey, Sheldon David (Jun. 68)	D.C.
†Cain, Joseph A. (Jun.)	Tex.	Carle, Marian Larner (Ed. 102)	N.C.
Calandrella, Ralph (Med. 19)	Conn.	Carleton, Raymond Broward (Col. 76)	Mo.
Calderon, Aureo (Med. 11)	P.R.	Carlin, Lee (Jun. 30)	D.C.
Caldwell, Arthur Brann (Law 11)	Ark.	†Carliner, Lewis Morton (Jun. 21)	Wash.
A.B. 1920, University of Arkansas.		†Carlson, Reuben Jordan (Spec.)	D.C.
Caldwell, Bruce (Jun. 25)	D.C.	Carlson, Ruth Edith (L.S. 90)	D.C.
†Caldwell, Lillian Davis (Spec.)	D.C.	†Carlson, Violet Alvina (Jun.)	D.C.
Calhoun, Roy (Spec.)	Ky.	Carmichael, Beas H. (Spec.)	D.C.
†Call, Alden Aylworth (Col., A.M.)	D.C.	Carmick, Louis Grandin (Eng. 75)	Ohio
Ph.B. 1929, Brown University.		Carnes, Samuel Craig (Jun.)	Idaho
Callahan, Anne Louise (Col. 60)	Pa.	†Carney, Charles E. (Spec.)	N.Y.
Callahan, Arthur Aloysius (Law 1)	Md.	Carotenuto, Ralph (Med. 19)	D.C.
B.S. 1926, St. John's College.		Carpenter, Ella Walsh (Jun.)	D.C.
Callahan, Leonard Davis (Law 1)	Ind.	Carpenter, James Henry (Eng.)	Okla.
		Carpenter, Ralph Frederick (Jun.)	Utah
		Carpenter, Samuel Raymond (Law 11)	Ky.
		Carr, Charles Gordon (Jun.)	

Students Registered

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*Carr, Frances (Spec.)	N.Y.	Chapman, Marion Louisa (Col., A.M. 15)	D.C.
Carr, Richard Taylor (Jun. 36)	D.C.	A.B. 1926, The George Washington University	
Carr, Russell Wilberg (Eng. 22)	Md.	Chapple, Jane Elizabeth (L.S. 106)	Mont.
*Carrico, Robert Mortimer (Spec.)	D.C.	Charles, Philipp Lambert (Law 11)	Ohio
Carroll, Charles Troll (Med. 14)	D.C.	A.B. 1929, Otterbein College	
A.B. 1929, The George Washington University		Charnley, Dorothy Ann (Jun. 24)	D.C.
*Carroll, Edward Joseph (Law 1)	Ill.	*Chartrand, Emerson James (Jun. 24)	Ill.
A.B. 1928, University of Buffalo		Chase, Albert Scillman (Med. 111)	Calif.
M.B.A. 1930, Northwestern University		A.B. 1928, University of Southern California	
*Carroll, Eleanor Norris (Ed. 75)	D.C.	Chase, Morris (Med. 11)	D.C.
*Carroll, Rose Margaret (Spec.)	D.C.	A.B. 1930, The George Washington University	
Carroll, Zata Vileita (Col., A.M. 18)	Pa.	Chase, Ruth Judith (Spec.)	Md.
A.B. 1928, The George Washington University		Chase, William David (Grad.)	D.C.
Carson, Christine Fulton (Ed.)	D.C.	A.B. 1925; M.S. 1927, The George Washington University	
Carson, Velma Kneetle (Jun. 36)	Colo.	*Chatelain, Alice Bertha (Ed. 118)	D.C.
Carte, Carry Cathern (F.A.)	D.C.	*Cheatham, Harriet O'Neill (Col., A.M. 27)	S.C.
Carter, Frank Lynn (Eng. 14)	D.C.	A.B. 1925, Winthrop College	
Carter, Joe Alton (Jun. 54)	Mo.	*Cheatham, Orme Ernest (Law 1)	Hawaii
Carter, Louis Wright (Eng. 130)	Kan.	B.S. in C.E. 1929, University of Hawaii	
*Carter, Marion Eugenia (Jun. 11)	Va.	Chen, Shao Hsien (Col. 60)	China
Carton, John Hazelton (Law 111)	Mich.	Chen, Sui Fong (Jun. 38)	China
A.B. 1928, Antioch College		Cheng, Nan Sang (Col. 65)	China
*Cartwright, Robert F. (Spec.)	D.C.	Chernikoff, Ida (Jun. 18)	D.C.
Caruso, Amedeus Jacob (Jun. 58)	Pa.	*Cherp, Victoria Claude (Jun.)	Minn.
Caruso, Anthony Thomas (Jun. 59)	N.J.	Cherry, Mary Yolonda (Jun. 56)	Pa.
*Cary, William R. (Jun.)	Ky.	Cherry, James William, jr. (Jun.)	Utah
Casady, William Robert (Jun. 30)	D.C.	Cheseldine, James Corbin (Law 1)	D.C.
Casassa, Maria Delores (Spec.)	D.C.	Chesney, Robert Carson (Spec.)	D.C.
Case, Paul Henry (Med. 1)	Ariz.	Chesnut, Charles (Col. 60)	Okla.
Casey, Jesse Frank (Med. 14)	N.C.	Chewning, Edward Alexander (Eng.)	Va.
A.B. 1925, Guilford College		*Cheyney, Elizabeth B. (Ed. 48)	D.C.
*Cashell, Charles F. (Spec.)	D.C.	Cheyney, Frances Leonell (Jun. 30)	Va.
Cashell, Florence Gering (Spec.)	D.C.	Cheyney, Roland Pancoast (Eng. 15)	Va.
Casillo, Leonard Pasquale (Jun. 58)	Conn.	*Childs, Claudia (L.S. 77)	Ga.
Casteel, Miriam Elizabeth (Jun.)	D.C.	Chipman, Katherine Phyla (Jun. 50)	D.C.
Casteel, Sarah Catherine (Ed. 63)	D.C.	Chipman, Robert Benjamin (Jun. 27)	D.C.
Castell, Richard Bernard (Col. 68)	D.C.	Chisholm, Catherine (L.S.)	Md.
Casto, George Kermit (Spec.)	Idaho	A.B. 1924, The George Washington University	
Catchings, Joseph McKee (Eng.)	D.C.	Chittick, Charles Yardley (Law 1)	N.J.
Cate, Leah M. (Col. 81)	D.C.	B.S. 1918, Massachusetts Institute of Technology	
*Catlett, Mildred M. (Ed.)	D.C.	Chittick, Howard Allen (Jun. 22)	Minn.
*Caudill, Arley T. (Spec.)	D.C.	Chirwood, Benjamin Goodwin (Grad.)	Ill.
*Caughey, Sadie (Col., A.M.)	D.C.	A.B. 1928, Rice Institute	
A.B. 1928, The George Washington University		M.S. 1929, The George Washington University	
Caul, Harold John (Eng. 104)	D.C.	Christian, Alice Burnice (Nurs. 11)	N.C.
Cavanagh, Mary Rosalie (Jun. 9)	D.C.	Christianson, Curtis Alfred (Govt. 96)	Minn.
Cawood, R. Hamilton (Law 111)	Md.	*Christenson, Carl Rudolph (Govt., A.M.)	Colo.
A.B. 1926, Pomona College		A.B. 1929, University of Denver	
Cayton, Howard (Jun. 42)	D.C.	*Christie, Donald R. (Jun.)	D.C.
Ceppos, Jacob (Jun. 33)	D.C.	Christie, Jean Ogilvy (Jun.)	D.C.
Chaconas, Peter George (Jun. 32)	D.C.	Christie, John Milton (Jun. 33)	Md.
Chafse, Helen Theall (Jun. 27)	Md.	*Christopher, Clyde Burroughs (Law 11)	Mich.
Chaffetz, Betty Mae (Jun.)	Mass.	Christopher, Maxwell George (Eng.)	Md.
Chamberlain, Beulah Lee (Col. 58)	S.C.	*Christy, Donald Flesher (Spec.)	Md.
Chamberlain, Chester Horace (Phar.)	D.C.	Chrzanowski, Peter Paul (Eng. 30)	Conn.
Chamberlain, Grace Meachem (Ed. 48)	D.C.	Church, Joseph Huston (Law 1)	Minn.
Chambers, Lucille Virginia (Nurs. 1)	Md.	B.S. in C.E. 1928, Kansas State Agricultural College	
Chambers, Wayne (Ed. 60)	Okla.	Churchill, Elizabeth Sarah (Jun. 32)	Md.
Chamblin, Elizabeth Marshall (Ed. 83)	D.C.	Churchill, William Philip (Law 1)	Me.
Chamblin, Margaret (Ed. 95)	D.C.	B.S. in Ch.E. 1930, University of Maine	
Chandler, Chester B. (Govt. 60)	Calif.	Churchman, Nancy (Spec.)	Md.
Chandler, George Irving (Jun.)	N.J.	Churchwell, Dorothy Joy Burns (Law 11)	D.C.
Chandler, Leland Williston (Col. 90)	D.C.	*Churchwell, William Henry (Col.)	Mont.
Chandler, Lois Winifred (Jun. 6)	Va.	L.L.B. 1930, The George Washington University	
Chaney, Florence Eleanor (Ed. 115)	Ohio	Giango, Dominic Frank (F.A. 119)	D.C.
Channell, Jesse Franklin (Eng. 75)	Va.		
Chapin, Ida Florence (Jun. 45)	Pa.		
Chapin, Theodore Yale (Col. 64)	Ill.		
Chapman, Elsie Frazer (Col. 105)	D.C.		
Chapman, Leland Leon (Law 11)	Idaho		
B.S. in Ch.E. 1928, University of Idaho			

Students Registered

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Cohen, Myrtle (Spec.)	D.C.	Conradis, Albert Earl (Law III)	D.C.
Cohen, Walter (Col. 73)	D.C.	A.B. 1923, Cornell University,	
Cohn, Benjamin Emanuel (Law 1)	Ill.	M.B.A. 1926, University of	
B.S. 1918, University of Illinois.		Pennsylvania.	
Cohn, Leon (Jun. 12)	D.C.	Conroy, M. Eulalie (Jun.)	D.C.
Cohn, Robert (Col. 89)	D.C.	†Cousidine, Robert Bernard (Spec.)	D.C.
Cohn, Sarah Ida (Jun. 9)	Conn.	Constantini, Ruth Kathryn (Jun. 32)	D.C.
Coker, Beulah Mildred (Ed., A.M.)	D.C.	Conway, James Vincent (Med. 1)	N.J.
B.S. 1910, University of Maryland.		A.B. 1930, Cornell University.	
Colbert, William R. (Jun. 23)	Colo.	Conway, Margaret S. (Spec.)	D.C.
†Coldiron, Harriet Rebekah (Jun.)	D.C.	Ph B. 1909, The University of Chicago.	
Cole, Charles William (Col., A.M. 6)	Md.	A.M. 1927, Columbia University.	
A.B. 1930, The George Washington		Conway, William Francis (Med. III)	Ariz.
University.		Cook, Alton B. (Jun. 31)	D.C.
†Cole, Helen Knight (Ed. 52)	Md.	†Cook, Charles Francis (Eng.)	D.C.
Cole, Howard Stapleton (Eng. 70)	D.C.	†Cook, Dorothea Allen (Ed. 85)	D.C.
Cole, Mary Josephine (Law 1)	D.C.	†Cook, Edgar L. (Spec.)	D.C.
A.B. 1927, The George Washington		Cook, Elizabeth Anne (Govt., A.M.)	Ind.
University.		A.B. 1930, DePaul University.	
†Cole, Ruth R. (Spec.)	S.C.	Cook, E. A. Hillegard (Spec.)	Md.
†Cole, Selden DeLois (Jun. 16)	D.C.	Cook, Eugene Bertram (Eng.)	Wis.
Coleman, Florence Beatrice (Jun. 32)	Md.	Cook, Frederick Bishop (Jun.)	N.M.
†Coleman, Mary Virginia (Spec.)	Md.	†Cook, Gladys H. (Jun.)	D.C.
Coleman, William (Spec.)	Md.	Cook, Helena Bergmann (Jun.)	D.C.
Coleman, William Ernest (Med. II)	Ky.	Cook, Lola Belle (Jun. 39)	Wis.
A.B. 1930, The George Washington		Cook, John Mason (Jun. 22)	N.M.
University.		Cook, Margaret (Col. 62)	D.C.
Colgren, John Harold (Jun.)	Ill.	Cook, Mary Tattinall (Jun. 30)	D.C.
Colladay, David Clement (Law II)	D.C.	Cook, Millard James (Jun. 21)	Neb.
A.B. 1929, Princeton University.		†Cook, Margaret Frances (Jun.)	Va.
Collegeman, Sidney Murray (Jun.)	D.C.	Cooke, Thomas Blackwall (Spec.)	N.C.
Collier, Oliver David (Eng.)	D.C.	Cooksey, Blanche Eugenia (Spec.)	D.C.
Collier, Pearl Hensley (Jun. 9)	Md.	Cookson, William Wallace (Spec.)	Va.
Collier, Raymond Jones (Jun. 54)	Md.	Coombs, David Russell (Col. 88)	Md.
Collins, Richard Lovett (Govt. 81)	D.C.	Coombs, Edith Ethel (F.A.)	D.C.
Collins, Stanley Newcomb (Law III)	Mass.	Coombs, John Wendell (Law 1)	Utah
A.B. 1925, Bowdoin College.		A.B. 1926, University of Utah.	
Collis, Carol Myrtle (Jun.)	D.C.	Coon, Charlotte B. (Jun. 25)	Va.
Coliharp, William Fraser (Jun. 11)	Okl.	Coon, Mary Elizabeth (Jun.)	D.C.
†Colton, Raymond Winters (Spec.)	Md.	Coons, Elmo V. (Spec.)	D.C.
†Colvin, James William (Law II)	D.C.	Coope, Jessie (Ed., A.M.)	D.C.
Compton, Lake Ford (Spec.)	Va.	A.B. 1930, The George Washington	
Comstock, Charles Robert (Jun.)	N.C.	University.	
Cones, Harold Nelson (Jun.)	Mich.	Cooper, Albert Berwin (Col. 74)	Va.
Conger, Bernard Wallace (Law II)	D.C.	Cooper, Claude Everett (Jun. 20)	Md.
A.B. 1930, The George Washington		†Cooper, Corinne (Col., A.M.)	Md.
University.		A.B. 1928, The George Washington	
Conger, George William (Law II)	La.	University.	
Conner, Virginia Watts (Col. 93)	D.C.	Cooper, Eugenia (Jun. 32)	Va.
Conkey, George L. (Jun.)	D.C.	Cooper, Everett Claude (Jun. 31)	D.C.
Conkey, John Gourley (Jun. 24)	D.C.	Cooper, Frances G. (Jun.)	D.C.
†Conklin, Mildred Antoinette (Ed., A.M.)	D.C.	Cooper, Margaret Hannah (Jun. 32)	D.C.
A.B. 1930, The George Washington		Cooper, Mary Evelyn (Jun.)	D.C.
University.		Cooper, Sybil Leona (Col. 116)	Iowa
†Conley, James A. (Spec.)	D.C.	†Cooper, Wainwright (Govt.)	Iowa
Conley, Leslie Albert (Jun.)	N.D.	†Coorles, Mary Louise (Ed., A.M.)	Ind.
Conn, Miriam (Ed. 8)	D.C.	A.B. 1925, Indiana State Teachers'	
Conn, Stenson (Jun.)	D.C.	College.	
†Connell, Lillie Marie (Spec.)	D.C.	Cooter, Irvin Leon (Jun. 42)	Okl.
A.B. 1920, The George Washington		Copelan, Martha Lee (Nurs. I)	Va.
University.		†Copes, Robert Elliott, Jr. (Eng. 89)	S.C.
Connelly, Mary Elizabeth (Ed. 41)	D.C.	†Copland, Virginia Catherine (Jun. 50)	N.C.
Conner, Eugene Reid (Ed. 61)	Mo.	†Copp, Walter Granville (Spec.)	D.C.
†Conner, William Hudson (Spec.)	D.C.	†Cordero, Tulio (Col. 72)	D.C.
†Connick, Mildred Ruth (Ed. 117)	D.C.	Cordova, Henry William (Jun. 9)	D.C.
Connolly, Matthias F. (Ed. 99)	Mont.	Corea, India Bell (Col. 88)	D.C.
Connor, Harry C. (Eng. 46)	D.C.	Corea, Louis Fleming (Jun. 40)	D.C.
Connors, James Edward (Eng.)	D.C.	Curey, James Edson (F.A. 55)	Pa.
Connors, Joseph Aloysius (Jun. 18)	D.C.	Corey, Merle Irving (Med. 1)	N.Y.
Conover, Margaret Josephine (Col. 62)	Ga.	Corey, Walter Van Arsdale (Med. II)	N.Y.
Conover, Ruth Averill (Ed. 69)	N.Y.	Corkery, Opal Grace (Ed. 52)	D.C.
†Conrad, Charles Francis (Spec.)	Va.	Cornell, Madeline Harriet (Ed. 75)	D.C.
Conrad, Louise Marie (Jun.)	Md.	Cornett, Ruth Vaughan (Jun.)	Ill.
Conrad, Paul Allen (Eng. 61)	Md.		

†Cornette, Estelle Baldwin (Spec.) A.B. 1929, The George Washington University.	Va.	Craig, Sam Baughman (Ed., Ph.D.) A.B. 1921, Centre College. A.M. 1928, The George Washington University.	Ky.
Cornish, Lalla Herrscher (Col. 74)	D.C.	Crain, Lucile Alberta (Ed. 66)	D.C.
Corpening, Harold Cochran (Col., A.M. 2)	N.C.	Crain, Naomi Virginia (Ed. 109)	D.C.
A.B. 1922, University of North Carolina.		Crampton, Virginia Florence (Jun. 19)	D.C.
Corson, Dorothy Marshall (L.S.)	D.C.	†Cramton, Margaret Louise (Spec.)	Mich.
Cory, Genie (Jun. 30)	Ala.	†Crandall, Edwin B. (Ed. 106)	D.C.
†Cosme, Marion Agnes (Spec.)	Neb.	Crane, Darrell C. (Med. 111)	D.C.
Costello, John Joseph (Spec.)	D.C.	†Crane, H. P., jr. (Spec.)	D.C.
Cotsoni, Francesca (Jun. 12)	D.C.	Crane, Wilfred Steven (Law 1)	Ill.
Cottam, Clarence (Grad.)	Utah	B.S. in E.E. 1913, Carnegie Institute of Technology.	
B.S. 1926; M.S. 1929, Brigham Young University.		†Cranford, Charles Calvert (Jun.)	D.C.
†Cotter, Katherine Patricia (Ed. 11)	D.C.	Craumer, Jennie Pauline (Nurs. 11)	Pa.
Cotton, Jane Catherine (L.S. 64)	D.C.	†Crawford, Francis Holland (Jun.)	D.C.
Cotton, Sara Camblos (Law 111)	D.C.	†Crawford, Gerald Preston (Spec.)	Ohio
†Couch, Mary Izant (Spec.)	D.C.	Crawford, John Custis (Jun. 28)	Va.
Coughlan, Margaret Virginia (Jun.)	W Va.	†Crawley, Elizabeth Katheryn (Jun. 49)	D.C.
Coulston, Clemency King (Law 11)	D.C.	†Creager, Dorothea (Ed. 79)	N.Y.
Coulston, Jessamine (Law 11)	D.C.	†Creamer, Ansel Samuel (Col., M.S.)	D.C.
A.B. 1928, Bucknell University.		B.S. 1926, University of Maine.	Va.
A.M. 1929, University of Chicago.		†Creath, Samuel Louis (Law Spec.)	D.C.
†Coul, May (Col. 82)	N.H.	Creeden, Sara A. (Col. 86)	D.C.
Coulter, Eliot Brewster (Law 111)	D.C.	†Creedon, Timothy John (Col., A.M.)	Mass.
Litt.B. 1914, Princeton University.		A.B. 1910, Boston College.	N.J.
A.M. 1916, Harvard University.		Creel, Ralph Laurence (Col., A.M.)	
Courtney, William Hasell (Law 11)	La.	B.S. 1926, Alabama Polytechnic Institute.	
A.B. 1927, Vanderbilt University.		Creer, J. Roscoe (Jun. 14)	Utah
A.M. 1928, Stanford University.		Creitz, E. Carroll (Jun. 55)	Kan.
†Cousins, Florence Hall (Spec.)	D.C.	Creitz, Ellis E. (Jun. 20)	Kan.
Covey, William Benjamin (Jun. 18)	Conn.	†Crenshaw, Roberta Shepherd (Spec.)	D.C.
†Cowan, Amy R. (Spec.)	Ohio	†Crews, Mildred (Jun. 46)	D.C.
Cowan, J. W., jr. (Spec.)	D.C.	Crews, Sybil Rowe (Col. 82)	D.C.
Cowgill, Harold Guy (Law Uncl.)	Ill.	Creyke, Geoffrey, jr. (Col. 60)	Va.
Cowley, Charles Gloyd (Law 1)	Utah	†Crickenberger, Stuart Philip (Jun.)	Va.
B.S. 1928, Utah State Agricultural College.		Crigler, Rebecca Clare (L.S.)	
Cowling, James Edward (Eng. 12)	D.C.	A.B. 1930, Lenoir Rhyne College.	Va.
†Cowling, Katherine (Spec.)	D.C.	Crimmins, Marie Margaret (Spec.)	D.C.
Cowwill, Catherine Matilda (Ed., A.M.)	D.C.	Crisp, William Walter (Jun.)	Mass.
A.B. 1923, The George Washington University.		†Crispo, Blanche Alma (Ed., A.M.)	
Cox, Ada Louise (Jun.)	Va.	A.B. 1930, Emmanuel College.	D.C.
Cox, Beatrice Alberta (Nurs. 111)	W.Va.	†Cris, Charles Gove (Jun. 6)	D.C.
Cox, Carol (Jun. 16)	Ga.	†Crist, Dorothy Oren (Ed. 128)	D.C.
Cox, Frances Josephine (Jun.)	D.C.	Criswell, Willard (Col. 92)	Ohio
Cox, Hannah G. (Jun. 12)	D.C.	Critchfield, Charles Louis (Eng. 44)	D.C.
Cox, James Stanley (Jun. 10)	D.C.	Critchfield, Clara Etta (F.A.)	D.C.
Cox, Margaret Mary (Jun.)	D.C.	Crittenden, Eugene Casson, jr. (Jun. 4)	D.C.
Cox, Marion (Jun. 57)	Md.	Crittenden, John William (Jun.)	D.C.
†Cox, Mary L. (Spec.)	Va.	Crittenden, Marjorie (Jun. 36)	D.C.
Cox, Thelma Cecelia (Ed. 87)	D.C.	Croccia, Nina Marie (Jun. 36)	Md.
Coyner, Ruth Emma (Ed., A.M.)	Okla.	Crocker, J. Allen (Eng. 28)	Utah
A.B. 1927, Central State Teachers' College.		Croft, Gordon Yan (Col., M.S.)	
Craddock, John Durrett, jr. (Jun. 30)	Ky.	B.S. 1921, Utah Agricultural College.	Wyo.
Craft, Harold Albert (Grad.)	D.C.	Crofts, Paul Herbert (Col. 105)	Conn.
B.S. 1926, Pennsylvania State College.		Crombie, James Gerard (Jun.)	Va.
M.S. 1930, The George Washington University.		Cromer, Jerry Keith (Col. 78)	Ill.
Cragg, Robert Mandale (Jun.)	Va.	Cromwell, Frederick Paskett (Law 1)	
Cragun, John W. (Law 1)	Utah	B.S. 1930, University of Illinois	Okla.
Craig, Dorothy Marie (Jun. 6)	D.C.	†Cromwell, Joseph William (Jun.)	Neb.
Craig, Hazel Katherine (Nurs. 1)	N.C.	†Cronn, Myrna E. (Jun.)	D.C.
Craig, Margaret Hjelm (Ed. 33)	D.C.	†Crosby, Elizabeth Rummel (Spec.)	D.C.
†Craig, Marion Edith (Ed., A.M.)	D.C.	A.B. 1911, Juniata College.	Pa.
A.B. 1909, The George Washington University.		Crosby, Elizabeth Wright (F.A. 61)	D.C.
Craig, Patrick Francis (Col.)	D.C.	Crossetto, Vena Mary (Jun. 50)	Ohio
		Cross, Allen Slayman (Med. 1)	D.C.
		Crosser, Barbara (Jun. 28)	Ohio
		Crossette, George (Jun.)	D.C.
		†Crossland, Logan Parry (Jun. 6)	D.C.
		†Crothers, Reba Miller (Spec.)	D.C.
		Crouch, Edward Calhoun (Jun.)	W.Va.
		†Crouch, Helen Virginia (Spec.)	

Students Registered

XXXV

†Crouch, Paul C. (Jun.)	D.C.	†Damron, Clarence Edward (Jun. 15)	D.C.
Crouch, Sophia N. (Jun.)	D.C.	Danforth, George Charles (Jun. 6)	D.C.
Crouch, William Henry (Jun. 24)	N.J.	Danforth, Josephine Finckel (Spec.)	D.C.
Crouse, William Austin (Eng. 19)	Minn.	Daniel, Deborah Ewin (Jun.)	D.C.
Crowley, Mary Katherine (Ed. 117)	D.C.	†Daniel, Edna Eleanor (Spec.)	D.C.
Crowther, Aloha Hare (Med. iv)	Md.	†Daniel, Esther Peterson (Spec.)	D.C.
B.S. in Phar. 1927, The George Washington University.		†Daniel, Julia Irene (Ed., A.M.)	Iowa
Crowther, Don Q. (Jun.)	Colo.	A.B. 1920, The George Washington University.	Md.
Crum, Harry Watson (Law III)	Pa.	†Daniel, Lena Jane (Spec.)	D.C.
B.S. 1924, Princeton University.		†Danks, Alden James (Govt.)	N.Y.
Crump, Edna Laud (Ed. 4)	D.C.	Danna, Samuel Peter (Med. II)	N.Y.
Crump, Sue (Jun. 6)	D.C.	Danner, Arthur Vincent (Jun. 30)	Ind.
Crump, Warren Clifford (Eng. 18)	D.C.	Danzansky, Joseph Bear (Jun.)	D.C.
Cruz, Angel Erana (Jun. 30)	P.I.	Danzansky, Sigmund (Col. 81)	D.C.
Cubeto, Esipiridon Piezas (Col. 23)	P.I.	†Darby, Eleanor Nourse (Jun. 15)	D.C.
†Culbertson, John Phelps (Eng.)	Wyo.	†Darby, Rezin Hilton (Spec.)	D.C.
†Cullen, John Paul (Spec.)	Wis.	Darling, Horace Velpau (Eng. 63)	D.C.
A.B. 1928, A.M. 1930, The George Washington University.		Darling, Ralph Edwin (Law I)	N.Y.
Cullen, Virginia Claire (Ed. 93)	D.C.	Darnell, Dorothea Marie (Jun. 11)	D.C.
Cullet, John Lester (Jun. 27)	D.C.	Darr, Verna Elizabeth (Ed. 60)	D.C.
Cullimore, Leland Keetch (Med. I)	Utah	Darton, Arthur Beaupre (F.A. 112)	D.C.
Culp, Loretta R. (Nurs. III)	Mich.	†Darwin, Marguerite Boutwell (Spec.)	D.C.
Culpepper, Albert Lloyd (Med. IV)	N.M.	Daudt, Dorothy May (Spec.)	D.C.
A.B. 1926, University of New Mexico		Daughtrey, Darien Butler (Jun. 6)	D.C.
†Culver, Joseph Irwin (Col. M.S.)	N.Y.	Daum, Arnold Roy (Col., A.M.)	Ind.
II Chem. 1927, Cornell University.		B.S. 1929, Northwestern University.	
Culver, Julian Griggs (Jun. 31)	Md.	Dauphin, Suzanne (Col., A.M.)	Va.
Cummings, Gertrude Lillian (Ed.)	D.C.	A.B. 1930, The George Washington University.	
†Cummings, James E. (Ed. 104)	D.C.	Davenport, Louise E. (Col. 89)	Tex.
†Cummings, Owen C. (Col. 78)	Pa.	•Davenport, Mortimer Harwood (L.S. 24)	D.C.
†Cumpston, Thomas Carew (Jun. 36)	La.	A.B. 1929, The George Washington University.	
Cunningham, Anna Ramsay (Ed. 53)	D.C.	Davenport, Ruth Lucille (Jun.)	D.C.
Cunningham, Jane Eliotie (Nurs. I)	W.Va.	†Davey, Freeda May (Col., A.M.)	Pa.
Cunningham, John, Jr. (Law II)	Iowa	A.B. 1927, The George Washington University.	
Cunningham, Virginia Catherine (Nurs. III)	W.Va.	Davey, Grace Elizabeth (Jun. 42)	Pa.
Cuzzo, Michael A. (Med. IV)	N.Y.	David, Leo (Govt. 67)	D.C.
Ph.G. 1924, Columbia University.		†Davidson, Elmer John (Spec.)	D.C.
†Curl, Grace Irene (Ed. 72)	D.C.	Davidson, Harry (Jun.)	D.C.
†Curral, Alfred Dean (Eng. 44)	D.C.	Davidson, H. Everett (Med. II)	Pa.
†Curran, Anna Dickson (Spec.)	D.C.	Davidson, John Irving (Eng.)	Colo.
Curran, Harold Webb (Col. 81)	D.C.	Davidson, Lelia (Spec.)	Neb.
†Currie, Dan (Law I)	Idaho	Davidson, Lester Gilbert (Jun. 24)	Neb.
*Currie, Dora Katherine (Ed. 126)	D.C.	†Davidson, Myrtle (Ed. 82)	Md.
†Curtin, James Edward (Jun.)	Fla.	†Davies, Benjamin Ronald (Jun.)	Wales
Curtis, Nelle C. (Ed. 6)	D.C.	†Davies, Rachel Virginia (Spec.)	D.C.
Curtis, Westley Fransworth (Col., A.M. 17)	D.C.	†Davis, Albert Wesley (Spec.)	Utah
A.B. 1928, Colorado College.		†Davis, Alfred O'Neill (Law I)	Ohio
Curtiss, Henry Daniel (Col. 76)	D.C.	Davis, Arthur Marshall (Law II)	Ariz.
Curtiss, Sarah Marietta (Nurs. I)	D.C.	†Davis, Barbara Alberta (Jun.)	D.C.
Cushman, Robert Wood (Govt. 76)	D.C.	Davis, Bryant Hardison (Jun. 3)	D.C.
Cusick, William Henry (Jun.)	Md.	†Davis, Channing O. (Eng. 105)	D.C.
†Custer, John Alton (Spec.)	D.C.	Davis, Cresson Orion (Col. 99)	Pa.
Custer, Jonathan Henry (Jun. 34)	Pa.	Davis, Edna C. (Jun. 12)	Kan.
Cutler, Katherine Marie (F.A. 301)	Md.	Davis, Edward French (Eng. 66)	Va.
Cutting, Charles Ambrose (Law I)	Me.	Davis, Frederick D. G. (Eng.)	D.C.
B.S. in E.E. 1930, University of Maine.		Davis, Henry (Col. 63)	D.C.
†Cutting, Maebelle Frances (Spec.)	D.C.	Davis, Jack Clemens (Jun. 43)	D.C.
Cuvillier, Eugenia (Col., A.M.)	D.C.	Davis, Lucia Bates (Col., A.M.)	D.C.
B.S. 1930, The George Washington University.		A.B. 1929, Vassar College.	
Daffron, Mary Joncie (Nurs. III)	N.C.	Davis, Lucy Mildred (Ed. 125)	Va.
Dahl, Andrew J. (Col., A.M.)	Minn.	†Davis, Malcolm (Jun. 32)	D.C.
Dahl, Everett Nordlie (Jun. 24)	S.D.	†Davis, Margaret Gwennhan (Jun.)	D.C.
Daisley, Gordon Walford (Law II)	Md.	Davis, Mary (Spec.)	Va.
Graduate, 1921, U.S. Naval Academy.		†Davis, Maurice (Jun. 12)	D.C.
Dale, William John (F.A. 10)	Pa.	Davis, Mildred Page (Jun.)	Va.
D'Ambola, Philip Ralph (Med. IV)	N.Y.	Davis, Pearce (Col., A.M.)	D.C.
		B.S. 1928, University of Pennsylvania.	
		Davis, Ransom Kirby (Law I)	Fla.
		Graduate, 1920, U.S. Naval Academy.	
		M.S. 1927, Harvard University.	

Davis, Robert J. (Col. 107)	Mo.	deSouza, Daniel Arthur (Law 11)	Va.
†Davis, Ruth Marjorie (Jun. 34)	D.C.	DesPrez, Mary L. (Spec.)	D.C.
Davis, Sarah Louise (Jun. 54)	D.C.	†Detrich, Louise Eoline (Jun.)	Mo.
†Davis, Thomas Joel (Law 1)	Ga.	†Detwiler, Mary Harman (Col. 49)	D.C.
†Davison, Clarence Clarke (Law Uncl.)	N.J.	Detwiler, Samuel Bertolet, jr. (Jun. 57)	Va.
LL.B. 1929, The George Washington University.		Deutsch, Morris (Jun.)	N.Y.
†Davison, Dorothy Peabody (Spec.)	D.C.	Devakul, Bongdebe (Spec.)	Siam
†Davison, Homer Allen (Jun.)	Ohio	DeVane, Ruth Elizabeth (Col. 61)	D.C.
Davison, Noble Ernest (Jun. 20)	Ohio	DeVera, Leigh O. (Jun.)	Va.
Dawes, Gladys Meredith (Spec.)	Ky.	DeVeyher, Marguerite Elizabeth (Spec.)	Md.
†Dawsey, Wilfrid L. (Spec.)	D.C.	†Devine, Paul Norman (Jun. 26)	Me.
Dawson, Dorothy Finckel (Ed. 113)	D.C.	Devlin, Veronica Anne (Col. 111)	D.C.
Dawson, Frederic Greenlaw (Jun.)	D.C.	Dew, Lorna Arbery (Ed. 61)	Va.
Dawson, Marie Anne (Ed. 20)	D.C.	Dew, Mary Edith (Grad.)	Mich.
†Dawson, Samuel Edward (Col., A.M.)	D.C.	A.B. 1911; A.M. 1919, University of Michigan.	
B.S. in E.E. 1925, University of Alabama.		†DeWeese, Martha (Spec.)	Miss
†Dawson, Simeon Isler (Spec.)	D.C.	†DeWitt, Edrie (Spec.)	Tex.
Day, Annabelle (Jun. 29)	D.C.	Deyber, Virginia Elizabeth (Jun. 62)	D.C.
Day, Edith Kemp (Col. 102)	Tex.	Diamond, David (Med. 1)	N.J.
Day, John William (Eng.)	Mass.	A.B. 1930, The George Washington University.	
Day, Katherine Susanne (Col., A.M. 6)	D.C.	Diamond, Harry Davis (Med. 19)	N.Y.
A.B. 1929, The George Washington University.		Diamond, Herbert Harold (Jun. 36)	D.C.
†Day, Sara Milligan (Col., A.M. 6)	D.C.	Diaz, Alipio Dacanny (Ed. 75)	P.I.
A.B. 1929, The George Washington University.		†Diaz, Antonio B. (Eng. 39)	P.I.
Dayton, Elizabeth May (Jun. 67)	D.C.	Dibble, Ruth O. (Jun. 181)	Pa.
Deal, Erma Grace (Ed. 82)	D.C.	Dice, Gladys Romaine (Ed. 4)	D.C.
†Deal, Nancy V. (Spec.)	W.Va.	Dice, Ross Albright (Jun. 54)	D.C.
†Dean, Eloda B. (Spec.)	D.C.	Dick, Frederick F. (Grad.)	N.Y.
†Deaner, Elizabeth Margaret (Ed. 76)	D.C.	B.S. 1925; M.S. 1927, The George Washington University.	
Dearing, Charles Lee (Col., A.M.)	N.M.	Dick, Morris Marcus (Med. 111)	N.Y.
A.B. 1929, The George Washington University.		A.B. 1928, The George Washington University.	
DeBerry, Myra Jones (L.S. 105)	Va.	†Dick, Ruth Eleanor (Ed. 62)	D.C.
DeBerry, Nannie Bynum (Col. 68)	Va.	Dick, Sam Jack (Jun.)	D.C.
deBruin, Milton Hyman (Eng. 44)	D.C.	Dickens, John Robert (Eng. 55)	D.C.
†d'Raul, M. C. A. (Spec.)	Md.	Dickens, Paul DeWitt (Grad.)	Ohio
†DeCamp, Herbert Rutledge (F.A.)	N.J.	A.B. 1922, Hiram College.	
DeCarlo, Joseph Dominick (Med. 11)	N.Y.	A.M. 1927, The George Washington University.	
Decker, Martin (Med. 11)	Wis.	Dickerman, George Lyman (Law 11)	Conn.
DeHaas, Miriam Milliken (Law 1)	D.C.	B.S. 1927, Middlebury College.	
DeKay, Elizabeth Mary (Col.)	Va.	Dickerman, Virginia (Spec.)	D.C.
†Deklorz, Leonard Anthony (Spec.)	Neh.	†Dickerson, Ernest Burchell (Spec.)	Pa.
Delt, Owington Gordon, jr. (Jun. 12)	D.C.	Dickerson, Francis Arthur (Law 111)	
†Dell, Albert Hampson (Spec.)	Md.	B.S. in E.E. 1918, Pennsylvania State College.	
Dell, Julian Peter, jr. (Law 1)	Ga.	Dickinson, Lester Coolidge (Col. 87)	N.Y.
Ph.B. 1929, Emory University.		Dickson, Elizabeth Loree (Law 1)	Md.
†DeMarco, Mary Agnes (Spec.)	D.C.	B.S. 1924, Wolfson College.	
DeMars, Arthur Jean (Jun. 18)	Mich.	Didden, Elizabeth Anne (Ed. 111)	D.C.
†Demas, Zachary James (Jun. 15)	Pa.	Dietz, John Edward (Law 11)	D.C.
Dement, Melissa (Jun. 57)	D.C.	DiFino, Felix (Med. 19)	N.J.
Dempsey, James Bryan (Eng. 82)	Kan.	A.B. 1927, Columbia University.	
†DeMund, Frederick W. (Govt. 27)	Mich.	Diggs, Dudley Harden (Jun.)	D.C.
Denenberg, Leila (Jun. 12)	D.C.	DiGregorio, Arnold Galileo (Med. 111)	N.Y.
Dengler, Ernest Harry (Med. 19)	D.C.	Dikmans, Gerard (Spec.)	D.C.
A.B. 1928, The George Washington University.		†Dille, Kathryn Virginia (Jun. 22)	D.C.
†Denham, Ruth Millicent (Spec.)	D.C.	†Diller, Bernard Kengla (Eng. 39)	D.C.
A.B. 1910, The George Washington University.		Diller, Charles Carrel (Jun. 14)	D.C.
Dennis, Milton L. (Law 1)	Md.	Diller, Hilda Marie (Ed. 90)	D.C.
Dennis, Robert Earl (Jun. 14)	Ind.	Dillman, Virginia Lee (Jun.)	D.C.
Denny, Ethel M. (Jun.)	Pa.	Dillon, Mary Regina (Jun. 12)	D.C.
†Dent, Elliott J., jr. (Spec.)	Va.	DiLorenzo, Gaspare (Med. 19)	N.Y.
Denton, Charles Alexander (Spec.)	Md.	B.S. 1926, College of the City of New York.	
dePerry, John Joseph (Jun. 30)	Va.	Dinges, Harold Reely (Jun. 10)	Va.
†Derbyshire, Donald Wayne (Jun.)	Minn.	Dingwell, Paul Douglas (Law Uncl.)	D.C.
†Derr, Morris William (Ed., A.M. 6)	Md.	Grad. 1917, U.S. Naval Academy.	
A.B. 1921, College of William and Mary.		LL.B. 1928, The George Washington University.	
DeSaussure, Richard Laurens (Col. 96)	D.C.	†Dinkin, Joseph (Jun. 52)	D.C.
DeShazo, Katherine Crenshaw (Jun.)	D.C.		
†DeShmond, Gerald LeRoy (Spec.)	D.C.		

Students Registered

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Dinsmore, Clarence William (Law 1)	D.C.	Doty, Frances V. (Ed., A.M. 9)	D.C.
Distefano, Michael Salvatore (Med. 1v)	N.Y.	A.B. 1924, University of Louisville.	
B.S. 1927, College of the City of New York.		†Doub, Ragan Mason (Jun.)	D.C.
Dintaman, Emma Irene (Nurs. 11)	Md.	†Dougherty, Edward T. (Eng.)	D.C.
†Dinwoodey, Charles Dean (Law, LL.M.)	Idaho	Dougherty, Proctor Lambert, jr. (Jun. 13)	D.C.
A.B. 1925, University of Utah.		Douglas, Dorothy Frazer (L.S.)	D.C.
LL.B. 1929, The George Washington University.		Douglas, Harry Samuel (Med. 111)	D.C.
Dishman, Lyman Haskell (Col. 103)	Tenn.	A.B. 1929, The George Washington University.	
Diemer, William Frederick, jr. (Col. 91)	D.C.	Douglas, Irvin Nathan (Med. 1)	D.C.
Ditzler, John Nevin (Jun.)	D.C.	Douglas, Lenore (Jun. 18)	D.C.
Dix, William Hayward (Eng.)	D.C.	Douglas, Marvel Anna (Ed. 63)	D.C.
Dixon, Raymond H. (Jun. 12)	Iowa	Douglass, Edgar Meritt (Ed.)	D.C.
Doane, Vernon Harden (Eng.)	Kan.	A.B. 1921, Wofford College.	
Dobrin, Marie Rosalie (Spec.)	D.C.	A.M. 1929, The George Washington University.	
†Dobrin, Solomon (Col. 54)	N.J.	Douthitt, Margaret V. (Govt. 98)	S.D.
Doctor, Powrie Vaux (Grad.)	Kan.	Dove, Beryl Sansbury (Jun. 26)	Md.
A.B. 1928, University of Kansas.		Dowling, Harry Filmore (Med. 1v)	D.C.
A.M. 1930, The George Washington University.		A.B. 1927, Franklin and Marshall College.	
†Dodge, Alice L. C. (Spec.)	Mass.	Dowling, Thomas R. (Spec.)	Va.
†Dodge, Howard Duane (Jun. 17)	D.C.	Downer, Arthur Gilbert (Jun. 48)	Ga.
Dodge, Morton Moore (Jun. 21)	D.C.	†Downer, Harry Lattimer (Spec.)	Ga.
Doehrer, Benjamin Allen Pine (Jun.)	D.C.	†Downer, Helen Evelyn (Jun.)	Va.
Doering, Carroll Johnson (Col. 39)	Tex.	†Downey, Paul William (Spec.)	D.C.
Doherty, Frank Cornelius (Spec.)	Mont.	†Downing, Theodore Clark (Ed. 80)	D.C.
Dois, Marie Brem (Jun. 12)	D.C.	Downs, Fred Lee (Jun. 33)	D.C.
Doktor, Harriet Hazel (Jun. 9)	N.Y.	†Doyle, Alfred Cyril (Spec.)	D.C.
†Dolan, John Joseph (Law, LL.M.)	D.C.	Doyle, Marion Wade (Ed., A.M.)	D.C.
A.B. 1923, Princeton University.		A.B. 1914, Radcliffe College.	
LL.B. 1928, The George Washington University.		Doyle, Mary Joan (Jun.)	D.C.
†Dolinsky, Ida (Jun. 55)	D.C.	†Doyle Muriel Josephine (Jun. 12)	Minn.
Dolinsky, Walter S. (Col. 63)	N.Y.	Doyle, Rhoda Annette (Jun. 12)	D.C.
Dollarhide, Daniel Augustus (Ed., Ph.D.)	Md.	Dracup, Henrietta Meyer (Jun. 31)	N.Y.
A.B. 1916, Henderson Brown College.		Drake, Beulah Jones (Ed. 56)	D.C.
A.M. 1922, The George Washington University.		Draper, Elizabeth K. (Ed., A.M. 3)	D.C.
Dollhopf, Ewald John (Jun.)	Pa.	A.B. 1924, The George Washington University.	
†Dolmade, Isabel Marie (Jun.)	Iowa	Draper, William Curris (Col. 78)	D.C.
Dominick, John Frank (Col.)	D.C.	Drawbaugh, William Bradford (Jun. 48)	Pa.
Dominick, Rachel Morris (Col. 106)	N.Y.	Dreedon, Louis Myer (Jun.)	D.C.
Dominutz, Zevah (Jun. 27)	Md.	Drew, Anna Louise (Spec.)	D.C.
Donahay, Katharine (Ed. 59)	D.C.	Drew, Helen Cutting (Ed., A.M.)	D.C.
Donahay, Victor Virgil (Med. 1)	Ill.	A.B. 1930, The George Washington University.	
†Donald, M. Harold (Jun.)	Iowa	Drew, Morris Edward (Govt., A.M.)	Md.
†Dondero, Joseph George (Jun. 33)	D.C.	B.S. 1927, Kansas State Teachers' College.	
Donnel, Edward Hunter, jr. (Jun. 30)	D.C.	Dreyer, Walter F. (Jun.)	Md.
†Donnelly, Stasia Virginia (Ed. 54)	D.C.	Dreyfuss, David Woog (Eng. 41)	D.C.
†Donner, Barbara (Spec.)	Ill.	Dreyfuss, Edmund Woog (F.A.)	D.C.
Donogh, Germaine Antoine (Spec.)	Ky.	Driscoll, Charles Lawrence (Jun. 6)	D.C.
†Donovan, Teresa Mary (Spec.)	D.C.	†Driscoll, Gertrude Mary (Ed. 49)	D.C.
†Doonan, Lorretta Elisabeth (Jun.)	Md.	†Drissel, Virgil Homer (Eng.)	D.C.
†Dooley, Raymond Nelson (Law 1)	Ill.	Drowns, Allen Crawford (Law 11)	Va.
Dougan, Katharine (Ed., A.M. 5)	D.C.	Drummond, Folsom Ewart (Law 11)	D.C.
A.B. 1925, The George Washington University.		B.Chem.E. 1924, Ohio State University.	
Doran, James Matthew (Jun. 6)	D.C.	Drury, Bola Harriet (Jun.)	D.C.
Doran, Sarah Loyola (Ed., Ph.D. 39)	N.Y.	†Drury, Helen Frances (Spec.)	D.C.
A.B. 1924, A.M. 1926, The George Washington University.		Drury, John Burke (Jun.)	Va.
†Dore, Bernadette Lidwin (Ed., A.M. 8)	D.C.	Drury, Ruth W. (Ed.)	D.C.
A.B. 1919, Trinity College.		Dryer, David Alan (Col. 90)	D.C.
†Dorian, Dorothy Grace (Spec.)	Md.	†Dryer, Waltern Drakeford (Jun. 21)	Ala.
†Dorian, Otis Sydenham (Jun. 6)	Md.	Dubin, Bernard (Law 11)	N.J.
Dorosh, John Thomas (L.S.)	Conn.	Duckworth, Raymond Francis (Jun. 18)	D.C.
D'Orazio, Vincent James (Jun.)	N.Y.	Dudley, Donald Goodnow (Law 11)	D.C.
Dorset, Virgil Jackson (Med. 1)	D.C.	A.B. 1926, Swarthmore College.	
Dorsey, Harryman (Law 111)	D.C.	†Dudley, Willis Reid (Eng. 30)	Va.
A.B. 1929, The George Washington University.		Duehay, Francis Gardner (Law 1)	D.C.
Doten, Edward F. (Eng.)	Md.	B.S. 1927, Princeton University.	
		†Duerr, Mable I. (Spec.)	D.C.
		†Duffalo, John (Jun. 23)	Pa.

†Dufour, Arline Hughes (Ed., A.M.) A.B. 1930, The George Washington University.	D.C.	Earle, Elizabeth R. Carpenter (Col. 59)	D.C.
†Dugan, Jeannette Frances (Ed. 48)	D.C.	Earle, J. Richard (Jun. 33)	D.C.
†Duganne, Louise Randall (Ed. 74)	D.C.	†Earle, Mary Isabel (Ed. 63)	D.C.
†Duggan, Laurence Hayden (Spec.)	D.C.	†Earnest, James Murvin (Law 11)	D.C.
Dugger, Ralph Loring (Law 111)	Ill.	B.S. 1929, Alabama Polytechnic Institute.	
Duke, Florine Rosalie (Jun. 47)	D.C.	†Earnest, Mildred (Ed., A.M.)	D.C.
Duker, Charles D. (Eng. 25)	Iowa	A.B. 1930, The George Washington University.	
Dula, Alberta Frances (Nurs. 11)	N.C.	Earnshaw, William Irving (Eng.)	D.C.
†Dulay, Valentin Diaz (Jun. 21)	P.I.	Easterday, Clara Elizabeth (Jun.)	Wash.
Dulin, Cecilia Pinkney (Ed., A.M. 9)	D.C.	Easterday, Rae Brown (Ed. 48)	D.C.
A.B. 1927, The George Washington University.		Eastman, Florence Mary (Spec.)	Vt.
†Dulin, Roland Ernest (Jun. 27)	D.C.	Eaton, Grace E. (Ed., A.M. 10)	D.C.
Duncan, Hearst Randolph (Law 111)	Iowa	A.B. 1921, North Carolina College for Women.	
†Duncan, Louise L. (Col., A.M.)	Miss.	†Eaton, Harriette Olive (Spec.)	D.C.
A.B. 1930, The George Washington University.		A.B. 1920, American University.	
Dunlap, Ada Acheson (Spec.)	Ore.	†Ebel, Mary Katherine (Ed.)	D.C.
Dunlap, Anita Bronet (Jun.)	D.C.	†Ebera, Fred L. (Spec.)	Pa.
†Dunlap, Anna Laura (Spec.)	D.C.	B.S. in C.E. 1928, Drexel Institute.	
Dunlap, Maxfield Hurlbet (Spec.)	Ind.	Eberle, Charles Clinton (Jun. 20)	Md.
Dunlap, Myra Lynn (L.S.)	Miss.	Eckerman, Howard Porter (Col. 66)	Iowa
A.B. 1924, University of Mississippi.		Eckert, Catherine Elizabeth (Jun. 36)	D.C.
†Dunlop, Robert Horace, jr. (Jun.)	D.C.	Echavarria, Francisco (Jun.)	D.C.
†Dunn, Don Ira (Spec.)	Utah	Eddy, Frank Allen (Jun.)	Ind.
†Dunn, Elinor Louise (Jun. 6)	D.C.	Edelen, Richard Edwin (Jun. 32)	D.C.
†Dunn, Gordon Elroy (Col. 88)	D.C.	Edelin, Nancy Lee (Jun. 18)	D.C.
Dunn, Jennie May (Col.)	Va.	†Edelson, Bella (F.A.)	Miss.
Dunnigan, Elinor Elizabeth (Col., A.M.)	D.C.	†Edgerly, Claudia M. (Spec.)	
A.B. 1930, The George Washington University.		A.B. 1902, Mississippi State College for Women.	
Dunnigan, John Patrick (Jun.)	D.C.	†Edgerton, Catherine Griffith (Ed. 52)	D.C.
Dunnigan, Robert Anthony (Jun.)	D.C.	*Edgerton, Justin Lincoln (Law 111)	Va.
Dunnington, Kathryn Estelle (Jun.)	D.C.	A.B. 1929, The George Washington University.	
Dunham, Lewis M. (Jun. 55)	D.C.	Edlavitch, Sylvia Isabel (Jun.)	Md.
Durham, Richard Claiborne (Jun. 15)	Va.	Edlowitz, Ellis (Law 11)	D.C.
†Duriscoe, Lila Rebecca (Ed. 63)	D.C.	A.B. 1930, The George Washington University.	
†Durnbaugh, Evelyn Grace (Ed. 88)	D.C.	Edmonds, Elizabeth Merrill (Jun.)	Mass.
Dusabek, James Albert (Med. 1)	N.D.	Edmiston, Beryl (Jun. 56)	D.C.
†Dusing, Hazel Catherine (Jun.)	Ill.	Edmondson, James Henry (Phar.)	D.C.
Dutton, Grace Edwina (Col. 61)	Md.	Edmonston, James Harvey (Ed. 100)	D.C.
Dutton, Lillian Bertha (Law 11)	D.C.	Edmonston, Raphael Allan (Med. 111)	D.C.
A.B. 1926, The George Washington University.		Edmonston, Thomas Richard (Jun.)	D.C.
Duval, Elsie (Jun.)	Fla.	†Edmonds, Paul Cabell (Spec.)	W.Va.
Duval, George Crowther (Phar. 22)	D.C.	Edwards, Edith Viola (Spec.)	Ohio
Duvel, Maxine (Jun.)	D.C.	A.B. 1930, The George Washington University.	
Dwyer, Adelaide (Ed. 88)	D.C.	Edwards, Geniana R. (Jun. 55)	D.C.
†Dyas, Douglas (Jun. 3)	D.C.	Edwards, Gordon (Col. 104)	Va.
Dyas, Richard Campbell (Law 11)	Ill.	†Edwards, Ivan Reo (Law 11)	Tex.
A.B. 1929, University of Illinois.		B.S. in M.E. 1929, University of Texas.	
Dye, Archie Wellons, jr. (Jun. 21)	N.C.	Edwards, John A. (Ed. 63)	D.C.
Dye, Elden Hobson (Law 11)	Utah	Edwards, Lynda Strickles (L.S. 64)	D.C.
Dye, Geneva Margaret (Med. 11)	D.C.	Edwards, Malcolm Melbourne (Law 11)	Ind.
A.B. 1930, The George Washington University.		A.B. 1926, Wabash College.	
Dyer, Helen Marie (Grad. 8)	D.C.	†Edwards, Sterling Wallace (Ed., A.M. 12)	Md.
A.B. 1917, Goucher College.		A.B. 1925, Western Maryland College.	N.Y.
M.S. 1929, The George Washington University.		Edwards, William Griffith, jr. (Law 11)	
†Dyer, Juliet Elizabeth (Ed. 63)	D.C.	B.S. in E.E. University of Colorado.	Ill.
Dyer, William Washington (Eng.)	D.C.	Esner, Lawrence Victor (Law 1)	
Dyke, Herbert Gordon (Law 1)	D.C.	B.S. in M.E. 1928, Armour Institute of Technology.	Mo.
A.B. 1930, Yale University.		†Egert, William Ludmil (Law 1)	
Eager, Thomas Hayward (Law 11)	Wash.	A.B. 1930, Colby College.	Ohio
Eaker, Carl Homer (Jun. 17)	D.C.	†Eggenschwiler, Charles Edwin (Col. 41)	N.J.
Eamich, Richard James (Jun. 6)	D.C.	Egli, Clara (L.S., A.M.)	
*Earl, Marion Bradley (Law 111)	Nev.	A.B. 1930, The George Washington University.	D.C.
B.S. 1922, University of Utah.		Ehlshlager, Adam Charles (Jun. 3)	D.C.
Earl, Rulon A. (Jun.)	Nev.	Ehouse, Theodore Eliot (Jun. 13)	Pa.
		Ehrensfield, Fred William (Jun. 21)	

Students Registered

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†Ehrlich, Elsie A. (Spec.)	Mass.	Epstein, Morris (Jun.)	D.C.
†Eichler, Bessie Rossmiller (Law 1)	Wis.	Epstein, Reuben (Law 11)	N.Y.
Eickhoff, Arnold J. (Col., A.M. 12)	Ariz.	B.S. 1926, College of the City of New York	
B.S. 1927, University of Arizona.		Epstein, Richard (Med. 1)	N.Y.
Eidhammer, Carolyn Elizabeth (Col. 93)	Va.	A.B. 1930, The George Washington University.	
Eiselman, Nat (Jun. 41)	D.C.	Epstein, Victor Jack (Jun.)	N.Y.
Eisenberg, Herman (Med. 1v)	D.C.	Erickson, David William (Law 1)	Minn.
Eisler, Samuel (Jun. 23)	N.J.	B.C.E. 1929, University of Minnesota.	
Eklund, Raymond Thorwald (Med. 1)	Calif.	Erickson, Emil Theodore (Spec.)	D.C.
A.B. 1930, Stanford University.		A.B. 1916, University of Utah.	
Elder, Clarence May (Law 111)	D.C.	†Erickson, Mary Elizabeth (Jun. 50)	D.C.
Eldred, Bertha Winnie (Ed.)	D.C.	†Ericson, Anna Lucinda (Spec.)	Ky.
Eldridge, Charles (Jun. 9)	D.C.	A.B. 1926, The George Washington University.	
Eldridge, John Dupree, jr. (Law 11)	Ark.	†Ericson, Charlotte M. (Spec.)	Md.
A.B. 1920, University of Arkansas.		Ermerine, Jack Francis (F.A. 9)	D.C.
†Elefasiades, George (Eng. 25)	D.C.	†Ermod, Edna Margaret (Col.)	Ill.
†Eifelt, Bettie Lois (Jun. 8)	D.C.	A.B. 1929, Carthage College.	
†Elgin, Ruth St. Clair (Col., A.M. 12)	Va.	Ernest, Alice Lee Ella (Col. 90)	Va.
A.B. 1924, The George Washington University.		Ershler, Irving (Med. 1v)	N.Y.
†Elision, Howard Russell (Col., A.M. 6)	D.C.	A.B. 1928, The George Washington University.	
A.B. 1929, The George Washington University.		Ervaat, Frederick William (Spec.)	D.C.
Eliseo, Pasquale (Med. 11)	N.Y.	Estey, Margaret Anne (Ed. 48)	D.C.
Elkins, Earl Cook (Med. 11)	D.C.	Espinosa, Jose Edmund (Col., A.M. 9)	D.C.
A.B. 1927, Buena Vista College.		A.B. 1929, The George Washington University.	
Eller, Evelyn Virginia (Govt. 64)	D.C.	Estrabrook, William Tracy (Eng. 34)	Md.
Ellerbrock, Charlotte Marie (Spec.)	Mont.	Estrella, Procopio (Eng. 129)	P.I.
Elhott, William Saunders (Col. 80)	D.C.	†Estrilant, Eduardo Augusto (Jun.)	Panama
Elhott, Crystol Evelyn (Nurs. 1)	Md.	†Etheridge, Dorothy (Jun.)	Md.
†Elhott, Herbert J. (Eng.)	D.C.	Etienne, Alexander Jerry (Law 1)	N.Y.
Elhott, John Carl (Law 11)	Ga.	E.E. 1925, Rensselaer Polytechnic Institute.	
Elhott, Kathrene Jane (Ed. 82)	Va.	Eugenio, Porfirio Fidel (Eng. 6)	P.I.
Elhott, Louise Dodge (Ed. 50)	D.C.	Evans, Benjamin Foster (Jun.)	Pa.
†Elhott, Virginia Dart (Ed., A.M.)	Mass.	Evans, Harriet Randall (Spec.)	D.C.
A.B. 1929, Vassar College.		Evans, Hiram Shunk (Col. 102)	Iowa
Elhott, William Emmett (Law 1)	Ga.	Evans, John Robert (Eng. 22)	D.C.
B.S. in E.E. 1930, Georgia Institute of Technology.		Evans, Margaret Elizabeth (Ed. 64)	D.C.
†Ellis, Dorothy Myrta (Spec.)	Mass.	Evans, Norma Belle (Jun. 20)	D.C.
Ellis, Greer (Eng. 44)	D.C.	Evans, Priscilla Turner (Jun.)	D.C.
Ellis, John Flather (Jun.)	D.C.	Evans, Robert Lee (Law 11)	D.C.
Ellis, Virginia Margaret (Col. 57)	D.C.	B.S. in M.E. 1929, University of Maryland.	
Ellis, William Leigh (Law 11)	Mich.	Everett, Charles Edward (Jun. 6)	D.C.
A.B. 1929, Hilldale College.		Everett, John Ellsworth (Jun.)	D.C.
Ellison, Alma May (Nurs. 11)	D.C.	Everett, Kathryn Lucille (Ed. 108)	D.C.
Ellison, Enoch Edward (Law 11)	W.Va.	Everett, Walter Bentley (Jun. 30)	N.H.
Elms, Margaret Edelin (Jun.)	Md.	Everhart, David Groff, jr. (Jun.)	Md.
Elvove, Kady (Law 11)	Ky.	Evers, John U. (Jun. 26)	D.C.
†Elzeer, Nicholas Monieur (Spec.)	Ohio	†Ewell, Raymond Henry (Spec.)	D.C.
Emanuel, Victor Maurice (Col. 87)	Pa.	B.S. 1928, University of Toledo.	
Embrey, Jack (Jun.)	Va.	Ewin, Neva Elizabeth (Col. 64)	D.C.
Embrey, Lee Anna Pemberton (Jun. 32)	D.C.	†Fabatz, Anton B. (Spec.)	D.C.
†Emshwiller, John Patterson (Spec.)	Ind.	Faber, Anna Parker (Ed. 48)	D.C.
Engel, Florence (Spec.)	D.C.	Fabrizio, Francis John (Jun. 21)	D.C.
Engel, Ralph E. (Eng. 6)	Utah	†Fagelson, Bernard Melvin (Jun.)	D.C.
Engert, Gerard Joseph (Ed.)	N.D.	Fahrner, Edward (Jun.)	W.Va.
England, Joseph Loveday (Eng. 48)	La.	Fairchild, Helen Christina (L.S. 58)	Va.
England, Mary Esther (Ed. 54)	D.C.	Fairman, Richard (Eng. 62)	Md.
Engleby, Charles Parker (Govt. 33)	S.D.	†Falco, Maceo (Spec.)	D.C.
English, Lena Rebecca (Ed. 61)	D.C.	B.S. 1930, The George Washington University.	
English, Merton Alden (Col. 60)	D.C.	Fales, Warren Dexter (Jun. 30)	Md.
Ennis, Robert E. (Spec.)	Md.	Falligant, Laura Louise (Law Uncl.)	D.C.
Eno, Arthur Raymond (Eng. 66)	D.C.	†Fallon, James E. (Jun.)	Pa.
Entwisle, Theodore Stanley (Jun. 27)	Md.	Falls, John Rankin (Law 11)	N.C.
†Envall, Roy Norman (Law 1)	Ohio	A.B. 1928, Davidson College	
B.S. in Ch. E. 1930, Case School of Applied Science.		Fanflik, Edward Joseph (Jun. 12)	Conn.
Enyart, Byron Knight (Law 11)	Ind.	Fanning, Mildred Olivia (Spec.)	Iowa
Epaminonda, John G. (Law 1)	Va.		
Epstein, Joseph George (Med. 11)	N.Y.		
A.B. 1930, The George Washington University.			

Fansler, Mildred Martha (Jun. 54)	D.C.	Fick, Julia Ruth (Jun.)	D.C.
Farhood, William N. (Jun.)	D.C.	Fick, Marion Elizabeth (Jun. 32)	D.C.
Faris, Zella Beatrice (Col., A.M.)	Tex.	Fiddesop, Harrison Earle (Jun. 31)	D.C.
A.B. 1923, Baylor University.		Field, Dorothy Hood (Spec.)	D.C.
Farley, Ray Francis (Med. 11)	N.J.	A.B. 1928, A.M. 1930, The George Washington University.	
Farner, J. M. Cecil (Jun.)	Va.	†Fielden, Elizabeth (Col., A.M.)	Pa.
Farnsworth, Eunice Louise (Spec.)	D.C.	A.B. 1930, The George Washington University.	
†Farnsworth, Nancy Clare (Jun.)	Wash.	†Fiete, Doloris Crene (Jun. 6)	Iowa
Farr, John Alden (Jun.)	D.C.	†Fikes, William Ralph (Ed.)	Tex.
Farr, Lionel Ballantyne (Jun. 12)	Utah	†File, Ernest D. (Jun.)	Va.
†Farrell, Katherine Louise (Jun. 12)	D.C.	†Fillebrown, Robert Lee (Jun.)	D.C.
†Farrell, Mary Catherine (Jun. 12)	Md.	Fillius, Maurice W. (Law 1)	D.C.
†Farrington, Ada May (Spec.)	D.C.	A.B. 1924, Cornell University.	
Farrington, Bert (Jun.)	Mo.	Finch, Eleanor Harrison (Law 11)	Md.
†Farrington, Claude Max (Govt., A.M.)	D.C.	A.B. 1929, Trinity College.	
A.B. 1927, Westminster College.		†Finch, Frances Elizabeth (L.S. 75)	D.C.
Farris, Laura Williams (Jun. 32)	Me.	Finckel, Elinor Keller (Ed. 39)	D.C.
Fassett, Christine (Spec.)	D.C.	Fine, Irvin (Med. 1)	N.J.
A.B. 1926, Syracuse University.		Finegan, Paul Vincent (Jun. 45)	D.C.
A.M. 1930, The George Washington University.		Finkel, Richard William (Jun. 34)	D.C.
Faulkner, Charles Dana (Col.)	D.C.	Finkelstein, Norman (Jun.)	D.C.
Faunce, Winifred Margaret (Col. 87)	D.C.	†Finlayson, Edward Albert (Jun. 29)	D.C.
Faust, Mary Catherine (Col. 66)	N.J.	Finnie, Frances Ruth (Ed., A.M.)	D.C.
†Fawcett, Blanche Lee (Spec.)	D.C.	A.B. 1929, The George Washington University.	
Fawcett, Fernley G. (Jun. 55)	N.C.	Fioramonti, Frank Joseph (Jun. 19)	D.C.
Fawcett, James Richard (Jun. 6)	N.C.	Firebaugh, J. Howard (Law 1)	Kan.
Fay, Charles Rozzelle (Law 1)	Mass.	A.B. 1924, University of Kansas.	
†Fay, John Andrew (Spec.)	N.J.	†Fior, Marjorie Edith (Ed. 65)	D.C.
Fay, William Edward (Eng.)	N.J.	Fischer, Fred Paul (Eng. 18)	D.C.
†Fealy, William Thomas (Jun. 63)	D.C.	Fischer, Julius Meredith (Govt., A.M.)	Md.
†Feddenan, William C. (Spec.)	D.C.	B.S. 1928, Georgetown University.	
†Feigley, Joseph Matley, jr. (Jun.)	D.C.	Fischer, Paul Allen (Jun.)	Va.
Feinstein, Louise Frances (Law 11)	D.C.	†Fish, Frances G. (Jun.)	Iowa
A.B. 1930, The George Washington University.		†Fish, Wilma N. (Jun.)	Va.
†Feld, Edith Scherzer (Jun.)	Pa.	Fishburn, Judith Marshall (Jun. 31)	D.C.
†Feldman, Alfred F. (Eng.)	D.C.	Fisbel, Vinton C. (Col. 93)	D.C.
Feldman, Irving (Med. 11)	D.C.	†Fisher, Doris (Jun.)	D.C.
A.B. 1930, The George Washington University.		*Fisher, Elizabeth Crosby (Ed. 74)	D.C.
†Feldman, Samuel (Spec.)	D.C.	†Fisher, Elizabeth Mary (Spec.)	D.C.
Feldser, A. Vernon (Col. 57)	Pa.	Fisher, Isaac Francis (Eng. 65)	D.C.
Feldstone, Benjamin (Law 1)	D.C.	Fisher, Raymond Adams (Jun.)	D.C.
†Feldstone, Katie (Spec.)	D.C.	Fisher, William Alfred (Grad.)	D.C.
Feldstone, Rose (Jun. 6)	D.C.	A.B. 1927, University of Maryland.	
Feller, William (Med. 1)	N.J.	A.M. 1930, The George Washington University.	
B.S. 1929, Rutgers University.		FitzGerald, Mary A. (Spec.)	D.C.
A.M. 1930, The George Washington University.		A.B. 1929, Trinity College.	
Felser, Selma Lee (Jun. 31)	D.C.	FitzGerald, Ruth McCleary H. (Spec.)	D.C.
*Fenander, Edmund Albert (Law 111)	Calif.	FitzPatrick, Bess Margaret (Spec.)	Mass.
B.S. 1926, University of California.		Fitzsimmons, Richard Raymond (Law 11)	Pa.
Fenlon, John Lewilyn (Ed.)	Mich.	B.S. 1924, Carnegie Institute of Technology.	
Fenwick, Helen W. (Jun. 9)	Ohio	Fix, Ted (Nurs. 11)	N.C.
Ferguson, Alma Adelia (Ed. 77)	D.C.	†Flack, Gertrude Schmidt (Ed. 57)	Va.
†Ferguson, Clarence Ray (Col., A.M.)	D.C.	Flack, Murray Marion (Law 111)	D.C.
A.B. 1922, Des Moines University.		A.B. 1927, The George Washington University.	
Ferguson, Milton Carr (Law 111)	W.Va.	Flagg, Verna Mary (F.A. 27)	Ill.
A.B. 1924, West Virginia University.		A.B. 1926, The George Washington University.	
Ferlen, Eloise Lucille (Jun. 15)	D.C.	†Flaherty, John Edward (Spec.)	D.C.
Fern, Robert (Jun.)	D.C.	†Flaherty, Katherine S. (Spec.)	Md.
Fernandez, Ricardo F. (Med. 1v)	P.R.	Flax, David Morton (F.A. 32)	D.C.
†Ferrell, Harold M. (Jun.)	D.C.	Flax, Theresa (Jun.)	Pa.
Ferris, Nathan L. (Govt. 113)	N.Y.	Fleck, Charles Hayden (Med. 111)	
Ferris, Warren Wesley (F.A. 32)	Va.	A.B. 1929, The George Washington University.	
Ferry, Charles Edmund (Jun. 30)	D.C.	Fleck, James Herring (Law 11)	Pa.
Ferry, Thomas Francis (Ed., A.M. 28)	D.C.	Fleming, Jean D. (Jun. 53)	Wash.
A.B. 1925, Georgetown University.		Fleming, Mary (Ed. 64)	D.C.
Fesler, Clarence Manley (Jun. 36)	Ill.	Fleming, William Phelps (Jun. 51)	Ohio
Feusahrens, Frederick George (Jun.)	D.C.		
Feyrer, Henry Martin (Law 11)	Conn.		
Ch.E. 1929, Rensselaer Polytechnic Institute.			

Students Registered

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Fleming, William Wright (Law 11)	D.C.	Fowler, Marian Alberta (Jun. 38)	D.C.
Flemming, Arthur Sherwood (Law 11)	N.Y.	Fowler, Marvin Edward (Col., A.M. 15)	D.C.
A.B. 1927, Ohio Wesleyan University		A.B. 1926, Central College.	
†Flewiharty, Ralph James (Spec.)	Tex.	Fowler, Robert Edward (Law 11)	N.Y.
Fling, William Lee (Jun. 6)	D.C.	E.E. 1926, Cornell University.	
Flint, Einar Philip (Col., A.M.)	Wash.	†Fowler, Robert McSwain (Col., A.M.)	Tex.
B.S. 1930, University of Washington.		A.B. 1927, Southwestern University.	
Flocks, Karl Wilhelm (Law 1)	Md.	Fox, Abraham Louis (Col. 123)	N.Y.
B.E. 1930, Johns Hopkins University.		Fox, Catherine Jeanette (Jun.)	Va.
Flood, Clyde E. (Med. 1)	Ariz.	†Fox, Eleanor M. (Spec.)	Va.
Florance, Howard Elmer (Jun.)	D.C.	Fox, Elsie Anna (Spec.)	N.Y.
Flournoy, Copely Winslow (Spec.)	Ga.	†Fox, Helen (Spec.)	N.Y.
†Flournoy, Josiah A. (Jun. 33)	Ga.	Fox, James Fulton (Law 1)	Del.
Flournoy, William Walton (Law 111)	Fla.	B.S. 1920, The George Washington University.	
A.B. 1928, University of Florida.		Fox, Margaret Anna (Jun.)	D.C.
†Flury, Henry (Col., A.M.)	N.J.	Fox, Nannie Lee (Col., A.M. 21)	Ala.
B.S. 1912, University of Pennsylvania.		A.B. 1927, Woman's College of Alabama.	
Fly, Jean (Col. 63)	D.C.	Fox, Robert (Col. 84)	D.C.
Foehl, Marie Elizabeth (Ed. 120)	D.C.	Fox, Thomas Holland (Med. 17)	N.Y.
†Foster, Gertrude Elizabeth (Spec.)	Ky.	B.S. 1927, St. John's College.	
*Folau, Rosa (Ed., A.M. 20)	D.C.	†Fox, W. Tarrant (Col. 98)	Va.
B.S. 1909, University of West Virginia.		†Fraas, Margaret Evelyn (Jun.)	D.C.
Foley, Donald Hubert (Govt.)	D.C.	Frame, Charles Wesley (Col.)	Md.
Foley, Eva Barbara (Jun.)	Pa.	France, Floyd L. (Law 1)	Neb.
Folger, James Edward (Jun. 32)	D.C.	France, Ryland (Jun.)	D.C.
†Folk, Alwyn Vaughan (Jun. 18)	D.C.	†Francis, Elsie (Spec.)	D.C.
Folkers, Kern Ellis (Law 1)	N.Y.	†Francis, Harold Edmund (Col. 82)	D.C.
B.S. 1927, Dartmouth College.		Francis, James Harmon (Col. 42)	Va.
Follin, Dorothy Eleanor (Spec.)	D.C.	†Francis, Katherine Margaret (Jun. 33)	Pa.
Follin, Katharine (Ed. 45)	D.C.	Francis, Ward Byron (Jun.)	Ill.
Folmer, Henry M. (Spec.)	D.C.	Francisca, Sister Mary (Spec.)	D.C.
Folsom, Evelyn Mary (Ed. 104)	D.C.	†Frank, Alice Young (Jun.)	D.C.
Folsom, Gwendolyn Bevington (Col. 61)	D.C.	†Frank, Anna (Spec.)	Okla.
Folston, Milton Halbert (Jun.)	D.C.	†Franklin, Neal Dow (Spec.)	D.C.
Fonscier, Geronimo Andrada (Jun. 33)	P.I.	LL.B. 1924, University of Maryland.	
Fonoroff, David Louis (Col., A.M.)	D.C.	†Frantz, Matilda (Jun.)	Okla.
A.B. 1930, The George Washington University.		*Fraser, Carolyn Wilcox (Col. 108)	N.Y.
Ford, Ella Mabel (Spec.)	D.C.	Fraser, Charles Nye, jr. (Col. 81)	Md.
Ford, Eugene (Spec.)	D.C.	Fraser, Ella Selina (Jun.)	D.C.
†Ford, Gilbert Everett (Spec.)	D.C.	Fraser, Stanley Fletcher (Phar. 66)	D.C.
Ford, John Arthur (Spec.)	D.C.	†Frawley, Margaret Lenora (Jun. 24)	D.C.
Ford, Joseph (Med. 1)	Pa.	†Frazier, Broadway Green (Jun.)	D.C.
B.S. 1928, St. Thomas' College.		Frazier, Dean Edward (Law 111)	Mo.
†Ford, Leah Clagett (Jun.)	D.C.	Frazier, Lucy Fairfax (Jun.)	Va.
Ford, Mary Alice Irene (Ed. 20)	D.C.	*Frazier, Melvin Sidney (Law 1)	N.D.
Forrest, Stanley Simeon (Col., A.M. 2.)	Okla.	Frazier, Susie Jolley (Spec.)	Md.
B.S. 1927, Northeastern State Teachers' College.		*Frazier, Vernon Allan (Col. 117)	N.D.
Forsyth, James Lynwood (Eng.)	D.C.	Frazier, Versie Fay (L.S. 9)	N.D.
Fortgang, Harry King (Med. 17)	N.Y.	A.B. 1926, The George Washington University.	
Fossert, Frances (L.S.)	W.Va.	†Fredendall, Catherine (Jun. 27)	D.C.
Foster, Catherine Edna (Jun. 12)	D.C.	Free, Gerald Monroe (Jun. 30)	Calif.
Foster, Charles Fred (Ed. 66)	D.C.	Free, Geraldine Floy (Col. 62)	Calif.
†Foster, Eather (Ed., A.M.)	D.C.	Free, Harold Gustav (Eng. 76)	Iowa
A.B. 1910, The George Washington University.		†Freebairn, Willard Green (Jun. 6)	Utah
†Foster, Evelyn Deane (Ed. 87)	D.C.	Freedley, Bernice Eleanor (Jun.)	D.C.
Foster, George Nelson (Jun. 54)	D.C.	Freedman, Cecil L. (Law 11)	D.C.
Foster, Henry Lockwood (Law 111)	D.C.	A.B. 1927; E.E. 1928, Leland Stanford University.	
†Foster, Henry W. (Eng.)	N.M.	Freehof, Hyman Bennett (Law 111)	D.C.
Foster, Major Schuessler (Med. 11)	Ala.	B.S. 1927, The George Washington University.	
B.S. 1928, Alabama Polytechnic Institute.		Freehof, Julius (Jun. 52)	D.C.
Foster, Terry C. (Ed., A.M.)	Ala.	Freeman, Andrew Foster (Eng. 50)	Iowa
A.B. 1923, Tulane University.		Freeman, Dixie Nellie (Nurs. 1)	D.C.
Fourchy, Richard Gray (Eng. 27)	D.C.	†Freeman, Willie Beulah (Ed. 53)	D.C.
†Fournier, Mary Virginia (Ed. 54)	D.C.	Freer, Robert Elliott (Col. 100)	Ohio
Fouts, Leon W. (Jun. 44)	D.C.	Freidson, Isadore (Law 1)	Va.
Fowler, Bruce Marsh (Jun. 42)	D.C.	A.B. 1930, The George Washington University.	
Fowler, Gladys Marie (F.A. 12)	D.C.	†French, Martine Ray (Ed. 69)	D.C.
Fowler, Grenville Lewis (Jun. 26)	D.C.	Freyman, Thelma Marguerite (Jun. 12)	D.C.
Fowler, Katharine Swann (Ed. 60)	D.C.		

- Friede, Pearl Robison (Spec.) D.C.
†Friedenson, Julius Maurice (Spec.) Conn. A.B. 1916, University of Nebraska. D.C.
Friedlander, Herman Irwin (Jun. 22) D.C. †Gardner, Dolly (Jun. 6) D.C.
Friedman, Irving (Med. 1v) Va. Gardner, Doris Franklyn (Jun.) N.C.
Friedman, Maurice (Law 1) Conn. †Gardner, Eulalie (Ed. 3) Va.
A.B. 1930, The George Washington D.C.
University. †Gardner, Marian (Jun. 12) D.C.
Friedman, Melvin Hillard (Law 11) D.C. Garlock, Edward Allen (Col., A.M. 12) Md.
B.S. 1928, The George Washington D.C.
University. Garofalo, Peter (Phar. 71) D.C.
Friedman, Samuel (Jun.) D.C. Garrella, Agnes Frederika (Ed., A.M. 6) D.C.
Friedman, Sadie Belle (Jun.) D.C. A.B. 1927, The George Washington
Friend, Victor Vernon (Med. 1) Tex. University. D.C.
Frisbie, Karl Friedlin (Law 111) N.J. Garrett, Betsy (F.A. 31) D.C.
A.B. 1929, The George Washington D.C.
University. Garrett, Burns (Jun. 54) Tenn.
Frisbie, Kenneth Walden (Jun. 24) D.C. †Garrett, Edward William (Spec.) D.C.
Frisbie, Margaret Ethel (Col. 86) D.C. Garrett, Franklin Tucker (Eng. 118) D.C.
Fritz, Florence Ruth (Spec.) D.C. Garrett, Patav (Ed. 111) D.C.
A.B. 1930, The George Washington D.C.
University. Garrett, Paul Teeter (Col., A.M. 15) D.C.
†Frizell, Sarah K. (Spec.) D.C. Garland, Robert Joseph (Eng. 101) D.C.
Frost, Janet Delavan (Col., A.M. 3) D.C. †Garvey, Charles Edward (Jun.) D.C.
A.B. 1930, Goucher College. Gary, Edward Thomas (Med. 1v) D.C.
Fry, John Clayton (Jun.) D.C. A.B. 1927, The George Washington
Frye, Arabella Martin (Nurs. 1) W.Va. University. D.C.
Fryer, Thelma Elizabeth (Ed. 92) D.C. Gasch, Oliver Herman (Law 11) Va.
†Fryhling, Carl Fredrick (Spec.) N.D. A.B. 1928, Princeton University. D.C.
†Fudge, Maude Copley (Spec.) Mont. Gatchel, Mary Hoskins (Ed. 102) D.C.
Fugitt, Elmer Wink (Med. 11) D.C. Gates, Eliot Young (Law 111) Utah
Fugitt, Helen Jean (Col. 64) D.C. A.B. 1927, University of Utah. Pa.
Fulton, Clara Gaines (Ed. 120) Md. Gates, Lawrence Merle (Law 111) Iowa
A.B. 1907, Virginia Interment College Iowa
†Fulton, Edith Newcomb (Spec.) Ind. †Gates, Lester Madison (Jun. 48) Md.
Fuquay, Allene (Nurs. 1) N.C. †Gates, Robert McConnell (Law 1) Ark.
Furbershaw, James Fred (Spec.) D.C. †Gatling, Donald Blount (Jun.) D.C.
A.B. 1925, The George Washington D.C.
University. Gatti, Richard Stephen (Law 1) D.C.
Furr, William Howard (Jun.) D.C. Gaumnitz, Walter Hubbard (Ed., Ph.D.) D.C.
Fusfeld, Cecile Leban (Jun. 40) D.C. B.S. 1921; A.M. 1924, University of
Futrovsky, Sam (Jun.) D.C. Minnesota. D.C.
†Futterer, Charles (Col. 74) Md. †Gause, Clemencia Ann (Col., A.M. 12) D.C.
LL.B. 1930, The George Washington A.B. 1920, University of Maryland. S.C.
University. Gause, George Rupert (Col., A.M.) D.C.
Futterer, Susan Attilia (Jun. 30) Md. B.S. 1930, The Citadel. D.C.
Gabbard, Hazel (Jun. 46) Okla. Gay, John Richard (Eng.) D.C.
Gaberman, Harry (Jun.) D.C. Gay, Karl Emmerich (Jun.) D.C.
Gable, Raymond Edgar (Law 111) Pa. Gay, Lendall Croxton (Jun.) D.C.
†Gaddess, Marion (Ed. 74) D.C. †Gay, Mills Everett, jr. (Eng. 45) D.C.
†Gaist, Rose N. (Spec.) D.C. Gaydash, George Gregory (Col., A.M.) D.C.
Gaither, G. McKee (Jun. 18) Va. A.B. 1920, Miami University. D.C.
Gala, Julian Rodriguez (Law 11) D.C. Gaylord, Helen Katherine (Jun. 3) D.C.
Galbraith, Eva M. (Jun. 50) D.C. Gaylord, Margaret Ortha (Spec.) D.C.
Galer, Charles Leroy (Jun. 52) D.C. Gaylord, Thomas Ackley (Law 1) Pa.
Galer, Eileen Gardner (Col., A.M. 15) D.C. Graduate, 1919, U.S. Naval Academy. D.C.
A.B. 1920, The George Washington D.C.
University. †Gessler, Mary Evelyn (Col. 91) D.C.
Gall, Joseph X. (Jun.) S.C. †Gieheren, Margaret Irene (Spec.) Mont.
†Gallagher, Agnes Marguerite (Jun.) D.C. Geiger, Barbara Remmel (Col. 74) D.C.
Gallahan, Josephine Thelma (Jun. 12) D.C. Geiser, Mary Beatrice (Ed. 67) Ill.
†Gallahorn, James Thomas, jr. (Spec.) D.C. Gelpi, William P. (Med. 11) P.R.
Gallardo, Jose Arruzo (Col. 85) P.R. Geniesse, Eugene William (Law 111) D.C.
Gallery, Robert Aloysius (Eng.) Md. B.S. 1920; M.S. 1924, University of
A.B. 1924, Holy Cross College. Michigan. D.C.
Galligan, Joseph Donald (Col., A.M. 25) D.C. Geniesse, Hazle P. (Spec.) D.C.
B.S. 1928, University of Maryland. A.B. 1922, University of Michigan. D.C.
Galloway, Robert Edmund (Jun. 45) Mo. †George, Douglas Elmer (Eng.) D.C.
†Gamble, Mortimer William (Jun. 31) W.Va. George, Paul Eugene (Jun.) D.C.
Gammell, Nellie B. (Ed. 52) D.C. Gerber, Aaron Harry (Med. 1) D.C.
Gammon, William Howard (Eng.) D.C. A.B. 1930, The George Washington
Garber, Martin Dudley (Law 11) Okla. University. D.C.
†Gardella, Wallis Hugh (Spec.) D.C. Gerber, Leon (Jun.) D.C.
Gerber, Louis Germain (Jun. 32) Pa.
Gerber, William (Col., A.M.) D.C.
A.B. 1929, University of Pennsylvania. D.C.
Gerbach, Gertrude Adam (Ed., A.M. 6) D.C.
A.B. 1908, Mt. Holyoke College. D.C.
Gerry, Katharine (L.S. 87)

Students Registered

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Gertler, Louis (Law 1)	D.C.	†Godfrey, Edmund LeBreton (Spec.)	N.I.
Gevurtz, Frank Edward (Jun.)	Conn.	†Godfrey, Howard Linwood (Law Uncl.)	Pa.
†Gibbons, William Franklin (Jun. 6)	D.C.	Godiner, Rudolfo Bedoy (Spec.)	Tex.
Gibbs, Andrew Harry (Jun. 40)	D.C.	†Goenner, Alicia (Spec.)	D.C.
Gibbs, Charles Neely (F.A. 6)	Pa.	Goetz, Charles Moran (Law 1)	Wis.
Gibbs, Henry Huntington (Jun.)	D.C.	B.S. 1929, University of Colorado.	
Gibbs, James Thurston (Eng.)	Ala.	Goff, Harry Louis (Col., A.M. 21)	Pa.
Gibson, E. Stuart (Jun. 1)	D.C.	A.B. 1921, Washington and Lee University.	
Gibson, Lloyd Camden (Law III)	Tex.	M.D. 1923, Jefferson Medical School.	
†Gibson, Mary Cummings (Spec.)	D.C.	Goff, Janet (Col., A.M. 12)	W.Va.
Gibson, Susan Stuart (L.S. 43)	Va.	A.B. 1929, Scarritt College.	
Giffen, Robert C. (Col., A.M.)	D.C.	†Goldberg, Ben (Jun. 22)	D.C.
B.S. 1927, Muskingum College.		Goldberg, George Isidore (Med. 1)	N.Y.
†Gignilliat, John McIver (Law II)	Ga.	Goldberg, Herman (Jun. 47)	D.C.
Gilbert, Dorothy (Ed. 95)	Va.	Goldberg, Michael (Grad., Ph.D.)	Pa.
Gilby, Ralph R. (Jun.)	Wash.	B.S. 1925, University of Pennsylvania.	
†Gilfond, Max Edward (Grad., Ph.D.)	D.C.	A.M. 1929, The George Washington University.	
A.B. 1923; A.M. 1930, New York University.		†Goldberg, Philip (Jun. 44)	D.C.
Gill, Alexander Daniel (Jun. 30)	Md.	Goldberger, Benjamin Humphreys (Jun. 32)	D.C.
†Gill, Julie Turnbull (Spec.)	D.C.	Goldberger, Joseph H. (Col. 64)	D.C.
B.S. 1918, Vanderbilt University.		Golden, Edith Eleanor (Col., A.M.)	D.C.
M.S. 1920, University of Wisconsin.		A.B. 1926, Smith College.	
Gilchrest, Estelle Marguerite (Ed. 110)	D.C.	Goldin, Gene Edward (Eng.)	D.C.
Gillespie, Frank Smith (Law II)	Ill.	†Goldenberg, Harry (Jun. 3)	N.J.
Gilligan, Margaret Elizabeth (Jun. 32)	D.C.	Goldman, Benjamin (Phar.)	D.C.
†Gillilan, Burdette S. (Spec.)	D.C.	A.B. 1929, The George Washington University.	
Gillis, Leslie, jr. (Law 1)	D.C.	Goldman, Joseph L. (Law III)	D.C.
A.B. 1929, Virginia Military Institute.		A.B. 1929, The George Washington University.	
†Gilluly, Cora (Spec.)	Wash.	Goldman, Lena (Spec.)	Va.
Gilman, Jack (Jun.)	D.C.	Goldsmith, Harry (Col. 88)	Pa.
Gilman, Robert Bartram (Col. 75)	Conn.	†Goldsmith, Henrietta Wilson (Ed. 92)	D.C.
Gilman, Warren Schaefer (Eng.)	D.C.	Goldsmith, Louis (Jun. 14)	Pa.
†Gilmore, Marguerite Elizabeth (Spec.)	Pa.	†Goldstein, David Jacob (Spec.)	Ohio
†Ginberg, Joseph (Jun. 51)	D.C.	Goldstein, Marcus Solomon (Col., A.M.)	Pa.
Ginberg, Louis (Col.)	D.C.	A.B. 1930, The George Washington University.	
L.L.B. 1930, The George Washington University.		Golze, Beatrice Wenderoth (L.S. 18)	D.C.
Gingras, Helene Marie (L.S. 60)	D.C.	Gonzalez, Pablo (Med. III)	Ariz.
Ginsberg, Morris (Col. 72)	D.C.	Gooch, Donald Willis (Col. 105)	D.C.
†Gipson, Harry Lloyd (Col., A.M.)	Tex.	Good, James William (Eng. 57)	W.Va.
B.B.A. 1929, Texas Christian University.		Good, Newell E. (Grad., Ph.D.)	Ohio
†Girts, Maxine (Col., A.M. 8)	D.C.	A.B. 1927, Heidelberg University.	
A.B. 1923, The George Washington University.		M.S. 1929, The George Washington University.	
Glasgow, Augustus Rossell (Jun.)	Md.	Goodall, Alfred Burrows (Col. 114)	D.C.
Glasmiter, A. Wily (Col., A.M. 9)	D.C.	Goode, Donald Jack (Law II)	Iowa
A.B. 1925, Pennsylvania State College.		†Goodman, Ethel (Spec.)	D.C.
†Glass, Jewell J. (Spec.)	Miss.	Goodrich, Edward Eliot (Jun.)	Md.
A.B. 1926; A.M. 1929, The George Washington University.		Goodrich, Vernon Lee (F.A.)	Ore.
†Glass, William W. (Govt. A.M.)	Va.	Goodrich, Viola (Col. 75)	D.C.
A.B. 1929, Washington and Lee University.		Goodridge, Lawrence Mason (Law 1)	Mass.
Glassman, Samuel (Jun.)	N.Y.	†Goodwin, Elmer Leon (Spec.)	Va.
Glaubach, Nathan (Col. 17)	D.C.	Goodwin, William James (Law 1)	D.C.
Gleason, Ann Frances (Ed. 77)	D.C.	B.S. 1930, The George Washington University.	
Glemser, Harry William Frederick (Law I)	N.J.	Goolsby, Kathleen Georgie (Nurs. II)	Va.
Graduate, 1929, Drexel Institute		Goorzh, Arthur Selig (F.A.)	D.C.
Glick, Oscar Billy (Col. 105)	Ohio	Gordon, Bartley Patrick (Col. 99)	Mass.
†Glidden, Harold A. (Eng.)	D.C.	Gordon, Bertha (Jun. 32)	D.C.
Glover, George Francis (Law III)	D.C.	Gordon, Charles Lewis (Jun. 23)	Mass.
Glover, Jewell Isabelle (L.S. 21)	D.C.	Gordon, Everett Julius (Jun.)	D.C.
Glover, Mervin Wilbur (Med. III)	D.C.	†Gordon, Grace Elizabeth (Jun. 24)	D.C.
Gnagay, Thomas (Jun. 32)	D.C.	†Gordon, Irving Harold (Jun.)	Conn.
†Gnagay, Margaret (Jun.)	Ohio	Gordon, Jennie (Jun. 32)	D.C.
†Gnam, James Henry (Eng.)	Iowa	†Gordon, Jonathan (Jun.)	D.C.
†Gnar, Miriam Parker (Spec.)	Ind.	Gordon, Leon Stuart (Grad., Ph.D.)	D.C.
God, Rena (Jun.)	D.C.	M.D. 1928; A.B. 1929; A.M. 1930,	
†Godbold, Josephine (Col., A.M.)	Md.	The George Washington University.	
B.S. 1928, University of Maryland.		Gordon, Samuel David (Spec.)	D.C.
Goddard, Jennie Clayton (Col. 74)	S.C.		

Gordon, Stanley Joseph (Med. III)	Pa.	†Grayson, Gertrude Gordon (Jun. 24)	D.C.
A.B. 1929, The George Washington University.		†Green, Ada (Jun. 26)	D.C.
†Gordon, Stuart (Spec.)	D.C.	Green, Charles Livingston (Jun.)	Utah
Gorham, Warren Abbott (Col. 108)	La.	Green, Holland Harvey (Med. IV)	Ind.
Gormly, Eva May (Spec.)	Iowa	A.B. 1928, The George Washington University	
Gosnell, Leo Patricia (Col., A.M.)	Ark.	Green, Martha Carol (Nurs. II)	Ga.
B.S. 1928, University of Arkansas.		Green, Mildred (Ed., A.M. 4)	D.C.
†Gosnell, Millard Francis (Jun.)	Md.	A.B. 1929, The George Washington University.	
Gott, John Gilbert (Jun. 10)	Md.	Greenawalt, Guy Angle (Law I)	Ill.
Gott, Mildred Seymour (Law III)	D.C.	B.S. 1923, Carnegie Institute of Technology.	
A.B. 1928, Trinity College.		†Greenbank, Eva (Jun.)	D.C.
Gottschalk, Barbara Ortilie (L.S.)	D.C.	Greenbaum, Herman (Law III)	Del.
A.B. 1928, Smith College.		†Greenberg, Harry (Spec.)	D.C.
†Gottswals, Gene Amelda (Spec.)	D.C.	Greenberg, Louis William (Med. IV)	N.Y.
Gough, Gaines Homer (Jun.)	D.C.	A.B. 1927, The George Washington University.	
Goupee, Edward John (Col. 69)	D.C.	Greenberg, Milton (Med. II)	D.C.
Gould, Joseph (Jun.)	D.C.	Greenberg, Samuel Irving (Col. 69)	N.Y.
Gouldin, James Daniel (Jun. 17)	Md.	Greenberg, Sidney (Jun. 24)	N.I.
†Gover, Gerard Hopkins (Jun. 18)	D.C.	†Greene, Anna Ledward (Spec.)	D.C.
Gover, Samuel Clark (Col. 103)	Md.	Greene, Orville Nathaniel (Law II)	Pa.
†Gowens, Grace Jeanetta (Col., A.M.)	Ill.	A.B. 1929, Lehigh University.	
B.S. 1929, University of Chicago.		Greene, Walter S. (Spec.)	N.Y.
Goyette, Linus Francis Gregory (Jun. 3)	Mass.	†Greenfield, Alfred Robert (Law I)	Pa.
Græme, Alice (Spec.)	D.C.	B.S. 1929, University of Pittsburgh.	
†Græme, Ethel (Spec.)	D.C.	Greenleaf, Carlos Adeldert (Col., M.S. 20)	Md.
†Graf, Theodore R. (Jun. 47)	Iowa	A.B. 1922, Clarkson College.	
†Graf, Fred Taliaferro (Eng. 9)	Md.	Greenwood, Katherine Edgar (L.S., A.M.)	D.C.
†Graf, George Umberger (Col., A.M.)	D.C.	A.B. 1930, The George Washington University.	
B.S. 1928, The George Washington University.		Grewe, Emily (Spec.)	D.C.
†Graf, Marie Christine (Ed. 56)	D.C.	Grey, Douglas (Jun.)	N.I.
Graf, Shirley Leigh (Jun. 32)	D.C.	Griest, Robert Alford (Col. 105)	D.C.
†Graham, Elizabeth (F.A. 43)	Mich.	Griffith, Catherine Mary (Spec.)	D.C.
Grant, Paul Hibbs (Ed., A.M. 6)	Ala.	Griffith, Elizabeth Dickerson (Ed. 52)	D.C.
A.B. 1914, Tennessee College.		Griffith, Kelley Edward (Jun. 6)	Va.
†Grant, George Franklin, jr. (Jun.)	Va.	†Griffith, Lera Evelyn (Jun. 39)	Ky.
Grant, Hugh Gladney (Grad., Ph.D.)	Ala.	Griffith, Terry Delmar (Jun. 48)	Va.
A.B. 1910, Howard College.		Griggs, Albert Bertin (Law I)	Colo.
A.B. 1912, Harvard College.		Griggs, Armand (Eng.)	D.C.
A.M. 1916, Howard College.		Griggs, Ruth (Col. 101)	Md.
Grant, William Oliver (Eng. 10)	Va.	†Grigsby, Josephine Florence (Jun. 32)	D.C.
Gravatt, Florence Ramsey (Ed. 85)	D.C.	Grimes, Fenner Marion (Eng. 35)	D.C.
Gravatt, George Flippo (Grad., Ph.D.)	Md.	Grimmel, Huntley Catterton (Jun. 33)	Mo.
B.S. 1911; M.S. 1912, Virginia Polytechnic Institute.		Grimminger, George (Col. 97)	Utah
†Graves, Asenath Libby (Col., A.M. 3)	D.C.	Grimsdell, Frank Albert (Law I)	D.C.
A.B. 1929, Mt. Holyoke College.		Grimsey, George Willard (Jun. 15)	Mass.
†Graves, Dorothy Mills (Ed., A.M.)	D.C.	Grindell, Mary Eleanor (Col. 81)	D.C.
B.S. 1913, Montana State College.		Grissett, Margaret Magdelen (Spec.)	D.C.
Graves, James Millar (Law II)	Mass.	†Griswold, Nancy (Col., A.M.)	D.C.
B.S. 1927; A.M. 1928, Harvard University.		A.B. 1930, The George Washington University.	
Graves, M. Claudia (Ed. 49)	D.C.	Grizzard, Richard Stuart (Jun.)	Va.
Graves, Thomas Shedd (Jun. 28)	D.C.	†Grogan, Lawrence Augustine (Spec.)	Mass.
Gray Alice Allen (Col. 62)	Minn.	Gromet, Maurice Turk (Med. I)	N.Y.
Gray, Chester Harold (Col. 87)	Mo.	Gronvold, Ingeborg Solveig (Jun. 45)	Minn.
Gray, Earl Lynn (Jun.)	Minn.	†Groomes, Virginia Hartley (Jun.)	D.C.
Gray, Emile Belle (Jun. 36)	Md.	Groord, Julia Christie (Spec.)	Mont.
Gray, Gertrude Welch (Jun.)	D.C.	†Grosh, Mary P. (Spec.)	N.Y.
†Gray, Jack Trombley (Spec.)	D.C.	Gross, Alfred Gregory (Eng. 95)	D.C.
Gray, John S. (Col. 61)	Conn.	Gross, Isadore (Med. II)	N.Y.
†Gray, Joseph Edward (Spec.)	D.C.	A.B. 1929, The George Washington University.	
B.S. 1927, The George Washington University.		Grossblatt, Nathan (Col. 95)	N.J.
Gray, Kathryn Gladys (Col. 64)	D.C.	Grossman, Pauline (Law II)	Ark.
Gray, Lanier (Jun.)	D.C.	Grosvenor, Edith Eccard (Jun. 34)	D.C.
Gray, Robert Meade (Law II)		†Grove, Selvie Benton (Spec.)	Mich.
A.B. 1930, The George Washington University.		†Grover, Thomas Odell (Ed., Ph.D.)	Utah
Gray, Selley Nash (Med. II)	Wis.	A.B. 1926, University of Utah.	
A.B. 1929, American University.		A.M. 1928, The George Washington University.	
Gray, Walter Thomas (Law I)	Mont.		
†Graybill, Tully (Eng. 14)	Va.		

Students Registered

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Grow, Wendell, Herbert (Law 1)	Mich.	†Hall, Dorris Marion (Spec.)	Mass.
Grubb, Katherine Mary (Law 111)	Ala.	Hall, Edward Currie (Jun. 36)	Miss.
A.B. 1928, Smith College.		Hall, Edward Madison (Jun. 33)	D.C.
†Grybbs, Helen Grace (Spec.)	D.C.	Hall, Eleanor Florence (Spec.)	D.C.
Gruberman, Edward Isidore (Med. 1)	N.Y.	A.B. 1929, The George Washington	
Grubic, Eli (Jun.)	D.C.	University	
†Grumbach, Edna Grace (Spec.)	D.C.	Hall, Frances Marguerite (L.S. 147)	Minn.
Grutzik, Frank Edward (Law 11)	Wis.	†Hall, Francis Leonidas (Jun.)	Miss.
A.B. 1930, The George Washington		Hall, Grace Claughton (Jun. 32)	D.C.
University.		Hall, Helen Beryl (Ed. 59)	Ala.
Gruver, Fulton Russell (Jun.)	D.C.	Hall, Liston Fleming (Law 111)	D.C.
Gude, Wilhelmina Catherine (Ed. 98)	Md.	Hall, Lois Mary (Jun. 9)	D.C.
†Guenther, Irene Antoinette (Spec.)	Wis.	†Hall, Margaret Alice (Jun. 25)	D.C.
Guernsey, Lilian A. (Spec.)	Va.	†Hall, Marion DeFries (Ed. 119)	D.C.
Guilford, Charles Carlton (Ed., Ph.D.)	Va.	Hall, Marion Ethel (Col., A.M.)	D.C.
A.B. 1921; A.M. 1923, The George		A.B. 1926, Goucher College.	
Washington University.		Hall, Mildred Frances (Spec.)	D.C.
Guinn, Harry Manville (Col. 106)	D.C.	Hall, Myra I. (Col., A.M.)	S.D.
Gulick, Benjamin Arthur (Jun. 18)	Va.	A.B. 1928, University of Colorado.	
Gulick, Beverly Gray (Eng. 76)	Va.	†Hall, Percival, jr. (Col., M.S. 12)	D.C.
Gulick, Mary Smith (Law 1)	Va.	B.S. 1922, Haverford College.	
A.B. 1929, Randolph-Macon Women's		B.S. in E.E. 1924, Harvard University.	
College.		†Hall, Raymond V. (Spec.)	Pa.
Gullett, James Gordon (Law 11)	Ill.	Hall, Robert Edward Lee (Col. 66)	D.C.
Gunenick, Edna (Col. 54)	D.C.	Hall, Rose C. (Spec.)	Va.
Gummel, Virginia Elizabeth (Jun. 32)	D.C.	†Hall, Ruth L. (Jun. 6)	D.C.
†Gumpf, Ralph Emile (Jun. 33)	Ala.	Hall, Samuel Gribbley (Eng. 104)	D.C.
†Gunn, Robert Lee (Jun.)	Ala.	†Hall, Stanley Wood (Jun. 24)	D.C.
†Gurewitz, Clarence Darrow (Jun.)	D.C.	Hall, Thomas Randolph (Jun. 54)	Md.
†Gurley, Leila V. (Jun. 56)	D.C.	Haller, Herbert Weaver (Eng. 98)	D.C.
†Gurley, Revere Babcock (Col. 63)	Md.	†Halperin, Rose Clarie (Jun.)	N.Y.
†Gustavson, Selma Maria (Spec.)	N.Y.	Halpern, Isadore Harry (Law 11)	D.C.
†Guthrie, Robert Chilton (Spec.)	D.C.	A.B. 1930, The George Washington	
†Guthrie, Ross Ritter (Law 1)	Md.	University.	
A.B. 1928, Harvard University.		Halstead, Clark Paul (Col. 60)	Mo.
†Guyon, Charles M. (Spec.)	D.C.	†Halverson, Alfred William (Spec.)	N.Y.
Gwynn, Marjorie Bernadette (Ed.)	Md.	Hamblin, Lawson Orlo (Jun. 40)	Ariz.
		†Handy, Melvin Leroy (Spec.)	D.C.
†Haardt, Catherine Melita (Spec.)	Iowa	Hamill, Frances Virginia (Jun. 36)	D.C.
†Haas, Nancy Virginia (Jun. 3)	D.C.	Hamill, Harold Louis (Jun. 42)	D.C.
†Hacker, William B. (Eng.)	Va.	Hamill, John Stafford (Spec.)	D.C.
†Hackett, Byron Burr (Jun. 31)	N.Y.	Hamill, Thomas Edwin (Spec.)	D.C.
Haddow, Anna (Ed., Ph.D.)	D.C.	B.S. 1928, The George Washington	
A.B. 1926; A.M. 1927, Pennsylvania		University.	
State College.		†Hamilton, Charles (Jun.)	D.C.
†Haddox, Horace Bolivar (Jun. 52)	Md.	Hamilton, Donald Menzies (Eng. 50)	D.C.
†Haden, Dorothy Kavler (Jun.)	D.C.	Hamilton, Robert Martin (Eng. 35)	D.C.
†Haden, R. Allen (Law 1)	Tenn.	Hamlin, Edmund Tarr (Law 1)	Wis.
Ph.D. 1930, University of Chicago.		Ph.B. 1926, University of Wisconsin.	
Hagan, Margaret Wood (Law 1)	Va.	Hamm, Norma (Jun. 30)	D.C.
A.B. 1919, Salem College.		Hammann, Elizabeth Julia (Jun. 6)	Wis.
Hagen, Adolph William (Jun.)	Minn.	†Hammar, Janan Vail (Spec.)	Va.
Hagen, Norman Randolph (Jun. 40)	D.C.	Hammar, Ralph (Law 11)	N.H.
Hagenbuch, John Robert (Jun. 24)	Pa.	B.S. 1926; M.S. 1927, Massachusetts	
†Hagerla, Loren H. (F.A.)	Iowa	Institute of Technology.	
Ph.Arch. 1928, Washington University.		†Hammer, Josephine Kuntz (Spec.)	D.C.
Hahner, Clarence (Col., A.M. 4)	Wash.	Hammer, Willard Lee (Eng.)	N.C.
B.S. 1929, State College of Washing-		A.B. 1930, The George Washington	
ton.		University.	
Haidle, Arthur Jesse (Jun.)	D.C.	Hammerness, Clarence Rudolph (Law 1)	D.C.
Haines, Elizabeth Jackson (Spec.)	D.C.	Hammill, Caroline Ashby (Jun.)	D.C.
Haines, Ernest Victor (Col., A.M.)	D.C.	†Hammond, Benjamin Miles (Spec.)	Calif.
B.S. 1930, University of Maryland.		B.S. 1922, University of California.	
Haines, Evelyn Virginia (Jun.)	D.C.	†Hammond, Ida (Spec.)	D.C.
Haines, Hilton Drummond (Med. 1)	D.C.	Hammond, Ruth Geraldine (Jun. 6)	Neb.
Haislip, Dorothy Todd (Col. 60)	Md.	Hanback, Bryant Lee (Eng. 21)	D.C.
Hale, Frank Connell (Law 11)	Tex.	Hanback, William Brecht (Col. 64)	D.C.
Hale, Helen C. (Spec.)	Vt.	Hand, Ellsworth Joseph (Eng. 73)	D.C.
Hale, Marion M. (Ed. 15)	Tex.	Hand, Frances (Col. 62)	D.C.
Hale, Walter S. (Spec.)	Ark.	Handy, Effie Bruce (Ed. 67)	D.C.
Haley, Grace Wright (Jun. 29)	D.C.	Handy, Frederick Ashby (Eng. 15)	D.C.
Haley, James William (Jun.)	D.C.	†Hanes, Doris Thrift (Spec.)	D.C.
Hall, Clyde Webster (Law 111)	Ind.	Hanes, Grayson Bland (Eng. 36)	Va.
B.S. 1925, Purdue University.		Haney, John Thomas (Jun.)	Md.

- *Hanft, Ella A. (Ed., A.M. 19)
A.B. 1927, The George Washington University.
- Hankla, Emily K. (Spec.)
Hanks, Clementine (Spec.)
Hanle, Ernest J. (Jun. 3)
Hanna, Jane Edwards (Jun.)
Hannah, Paul Francis (Law 11)
B.S. 1927, Dartmouth College.
- Hannan, Loretta (Ed. 90)
Hannan, Mildred Agnes (Ed. 2)
Hansen, Howard (Med. 1)
Hanson, Hanna Magdaline (Spec.)
Hanway, Hannah Jane (Jun. 21)
Harbaugh, Eva Luella (Col. 99)
Harden, Jessie Huntington (Jun.)
Harding, Anna May (Spec.)
Harding, Raymond Barton (Law, LL.M.)
B.S. 1920; LL.B. 1925, The George Washington University.
- †Hardy, Clifford L. (Jun. 9)
Hardy, Glen Ewing (Law 1)
A.B. 1930, University of Utah.
Hardy, Karl Jack (Law 11)
A.B. 1927, University of Utah.
- Harkness, William Dalvell (Eng.)
Harlan, Ashlan Fleetwood, jr. (Law 1)
A.B. 1930, The George Washington University.
- Harlan, Helen Garrett (Jun.)
Harlan, Frances McNeir (Ed. 82)
Harley, Mabel (Phar. 75)
†Harmel, Ida (Ed. 41)
Harms, William Henry (Eng. 40)
†Harned, Edward Olin (Ed., A.M. 6)
Ph.B. 1908, Syracuse University.
- Harnsberger, Nancy Wolfe (Ed. 96)
†Harper, Elizabeth Owens (Spec.)
Harper, Florence Frances (Jun.)
Harper, Helen Virginia (Ed., A.M. 10)
A.B. 1928, The George Washington University.
- Harper, Howard (Med. 1)
A.B. 1925, Occidental College.
- †Harper, Lamar Blewett (Jun.)
Harper, Robert Paul (Jun. 3)
Harper, Roger Elliott (Jun. 12)
Harper, Verne Lester (Spec.)
B.S. 1926; A.M. 1927, University of California.
- †Harrell, Theodore Lestwick (Jun. 54)
Harrill, Delbert Justice (Jun. 18)
Harrington, Cecile Bernice (Govt. 63)
Harrington, Dorothy Neil (Spec.)
A.B. 1920, Trinity College.
- Harrington, Lucella Clark (Col., A.M.)
A.B. 1925, Smith College.
- †Harris, Bertha F. (Ed. 48)
Harris, Cleo (Jun. 30)
Harris, Elizabeth Anne (Ed. 76)
Harris, Gertrude Leah (Jun. 22)
Harris, Jessie Taylor (Jun.)
Harris, John Law (Eng. 102)
Harris, Kathryn Naomi (Jun.)
Harris, Lester Wilber (Jun. 16)
Harris, Marjorie Forbes (Col. 86)
Harris, Naomi (Jun.)
†Harris, Ray Edward (Jun. 7)
Harris, Robert Barrows (Jun. 41)
Harris, Rose (Jun.)
Harris, Thomas Hillyard (Jun. 21)
Harrison, Arthur P. (Col., M.S. 16)
A.B. 1928, The George Washington University.
- Harrison, John Ward (Eng. 26)
Harrison, Lillian L. (Spec.)
Harrison, Louis Pincus (Jun. 44)
†Harrison, Roberta (Spec.)
†Harrison, William Henry (Law 1)
†Harriz, Clifford Graham (Jun.)
Hart, George Alexis (Med. 11)
A.B. 1920, University of Pennsylvania.
Hart, Louise Goff (Ed., A.M.)
Hart, William James (Col. 84)
†Hartgraves, William James (F.A.)
B.S. 1924, Kansas State Agricultural College.
- †Hartley, Ethel Pierce (Col., A.M. 2)
A.B. 1917, University of Nebraska.
Hartman, Clarence Richard (Jun. 49)
Hartmann, Irving (Spec.)
B.S. 1930, Cooper Union Institute of Technology.
- Hartnett, Louis William (Jun. 6)
†Harrich, Ruth (Jun.)
Harvey, Eleanor Margaret (Ed. 6)
Harvey, Robert Bowles (Jun.)
Harvey, Robert Edwin (Jun.)
†Harvey, Samuel Steadman (Jun. 6)
Harwood, Kenneth Clifford (Eng. 46)
Harwood, Walter Sheldon (Eng.)
Haskell, Frank Bosley (Eng. 92)
†Haskin, Dennison J. N. (Jun. 30)
Haskin, Frederic Jennings (Jun. 15)
Haslacker, Flora Virginia (Spec.)
Haslup, Alice Elma (Ed., A.M.)
A.B. 1912, The George Washington University.
- Hass, Wilbur Henry (Col. 90)
Hassler, Howard Edward (Eng., M.S. 24)
B.S. 1927, University of Maryland.
- Hatch, Douglas Lorenzo (Law 11)
Hatch, Ruth Streeter (L.S., A.M.)
A.B. 1928, University of Nebraska.
- Hatcher, Margery Somerville (Jun. 14)
Haupt, Ralph Freeman (Col. 31)
Hausknecht, Ephraim (Jun. 3)
Havens, Nancy Sinclair (Law 1)
A.B. 1930, New Jersey College for Women.
- Haves, Hilda Gertrude (Govt. 62)
†Hawes, Richard Paulison (F.A. 36)
†Hawkins, Helen Elizabeth (Ed., A.M.)
A.B. 1923, Transylvania College.
- Hawkins, Lawrence Fleming (Col. 6)
Hawkins, Norment Doniphon (Eng. 74)
Hawkins, Virginia Friedlin (Jun.)
Hawley, Katharine Graham (Ed., A.M. 9)
A.B. 1920, The George Washington University.
- †Haworth, Ellis (Spec.)
A.B. 1922, The George Washington University.
- Hawse, George William (Jun.)
Hay, Malcolm (Jun.)
Haycock, Bernardine Janney (Ed., A.M.)
A.B. 1920, The George Washington University.
- Haycock, David LeGrande (Eng.)
Hayden, Forrest Shoup (Jun. 24)
†Hayden, Louise (Spec.)
†Hayden, Virginia Ann (Jun. 6)
†Hayes, Catherine Elizabeth (Spec.)
A.B. 1920, The George Washington University.
- Hayes, Edward Elmer (Jun. 12)

*Hayes, Montrose Healey (Govt., A.M. 6)	Ill.	Henry, Sister St. (Phar.)	D.C.
Ph.B. 1930, University of Chicago.		Henry, Thomas Robert (Grad., Ph.D.)	D.C.
†Hayes, Warren Douglas (Eng.)	D.C.	A.B. 1914, Clark University.	
Haynes, Gideon Leslie (Jun. 29)	D.C.	A.M. 1930, The George Washington	
Haynie, A. Laura (Ed. 58)	D.C.	University	
Hazard, John Henry (Jun.)	D.C.	†Henry, Wood Thompson (Spec.)	Ark.
Hazard, Muriel Frances (Jun. 28)	Md.	†Hensley, Derwood J. (Spec.)	Okl.
†Hazzel, Audrey Veronica (Spec.)	D.C.	Henson, Rex Thomas (Med. 19)	Idaho
†Hazzel, Lois (Spec.)	Md.	A.B. 1927, The George Washington	
†Hazes, Arthur John (Jun.)	D.C.	University	
Head, James William (Eng. 35)	Va.	Hepburn, Norman C. (Eng. 75)	D.C.
†Healy, Arthur (Eng.)	Conn.	†Herriot, Laura Lippitt (Govt., A.M.)	P.R.
Heare, Gertrude Elizabeth (Col., A.M. 18)	D.C.	A.B. 1920, The George Washington	
A.B. 1928, The George Washington		University	
University.		†Herdon, Effie Brown (Ed.)	D.C.
†Hearn, Bernard Carter (Spec.)	Md.	Herdon, Miriam Jones (Ed. 80)	Ky.
Hearn, Mary Elizabeth (Jun.)	Md.	Herner, Raymond Carl (Eng. 3)	Ohio
Hearn, Wilfred Asquith (Law 111)	Md.	†Herren, Sidney A. (Jun.)	Ark.
Heath, Alma F. (Med. 19)	Idaho	Herrick, Philip Field (Law 11)	D.C.
Heavener, John Haven (Col. 96)	Va.	A.B. 1929, Williams College.	
†Hechmer, George Willis (Spec.)	D.C.	Herring, Clair Taber (Jun.)	Me.
†Heckler, Helen E. (Spec.)	Ill.	Herriott, Mildred Hester (Jun.)	Iowa
Hedges, Florence (Jun.)	D.C.	†Herrmann, Margaret (Law 1)	D.C.
Hedrick, Anna Fancher (Law 111)	Va.	A.B. 1924, Swarthmore College.	
A.B. 1921, Vassar College.		Hertzberg, Marjorie Louise (Jun. 31)	D.C.
A.M. 1926, The George Washington		Hertzog, Eleanor Madeline (Jun. 9)	D.C.
University.		Hertzog, Henry William (Spec.)	D.C.
Heflebower, Dorothy Margaret (Jun. 32)	D.C.	B.S. 1930, The George Washington	
†Hefler, Paul Emile (Law 1)	Mich.	University	
A.B. 1921, Dartmouth College.		Herzog, Raymond (Jun. 9)	D.C.
*Heid, Frances Evelyn (Col., A.M.)	D.C.	Herzog, Robert Philip (Jun.)	D.C.
A.B. 1930, The George Washington		†Heisler, Douglas Saint (Jun.)	Ark.
University.		Heislop, Gale Morgan (Eng. 25)	Pa.
Heilman, James Martin (Spec.)	Pa.	Hess, Elfreda Helen (Spec.)	D.C.
Heinburger, John Joseph (Jun. 53)	Ind.	Hess, Eva (F.A. 33)	D.C.
Heinburger, Ray Adelbert (Eng.)	Ohio	Hess, Jeanette Samuel (Spec.)	D.C.
Heinmiller, Adelbert William (Col., A.M.)	D.C.	Hess, Laurie Floyd (Eng. 78)	D.C.
A.B. 1928, Coe College.		Hess, Rolla Burchard (Med. 11)	Calif.
†Heinemann, Charles Berkery (Law 1)	D.C.	Hess, Walter Cohen (Grad., Ph.D.)	D.C.
†Heinold, Katherine E. (Col. 123)	Mich.	B.S. 1920, University of Pennsylvania.	
Heins, Conrad Philip (Col. 78)	Va.	†Hesse, Madeline Gordon (Ed. 56)	D.C.
Heintz, William Wagner (Spec.)	D.C.	†Hessey, E. Morgan (Ed.)	D.C.
Heisey, Ruth Frances (Jun. 6)	D.C.	Heston, Beatrice May (Spec.)	D.C.
Heizer, James Howard (Jun. 42)	D.C.	Hetzel, Lowell Haywood (Eng. 53)	D.C.
Helland, Randolph O. (Eng. 6)	D.C.	†Heyzer, Marion Tice (Jun. 19)	D.C.
A.B. 1913; B.S. 1916, University of		Heyward, David Austin (Jun.)	D.C.
Wisconsin.		Hiatt, John Edgar (Eng. 25)	D.C.
†Helmuth, Catherine I. (Jun.)	D.C.	Hickey, Francis Thomas (Jun.)	D.C.
Helmke, Margaret (Law 11)	Calif.	Hickey, Thomas James (Law 1)	Mass.
Helmke, Albert Harrison (Eng. 81)	D.C.	B.S. 1930, Massachusetts Institute of	
Helmke, William (Jun. 18)	D.C.	Technology	
Hemley, Lillian Dorotha (Jun.)	Va.	Hickman, Boyd (Jun.)	Ind.
Henderson, Fletcher Orpin (Col. 60)	Md.	Hickman, Louise (Ed. 84)	D.C.
Henderson, Helen (Col. 84)	D.C.	†Hickman, Mildred May (L.S. 59)	Md.
Henderson, James Alexander (Med. 1)	N.Y.	†Hicks, Evelyn M. (Ed. 64)	Mich.
A.B. 1929, Washington and Lee		†Hicks, Hildegard (Col., A.M.)	D.C.
University.		A.B. 1925, Trinity College.	
Henderson, Jane (Col., A.M.)	D.C.	Hicks, Margaret Augusta (Col. 79)	Md.
A.B. 1930, The George Washington		Hicks, Pearl (Grad., Ph.D.)	Fla.
University.		A.B. 1928; A.M. 1929, The George	
Henderson, Katherine Estelle (Jun. 25)	D.C.	Washington University.	
Henderson, Mary Ann (Ed. 74)	D.C.	†Hieble, Wilbur Warren (Jun.)	Pa.
Henderson, Ralph Leonard (Jun.)	Md.	†Higgins, Elizabeth Anna (Ed. 74)	Mass.
Henderson, Russell Stewart (Spec.)	D.C.	Higgins, Eugene Witter (Jun. 47)	D.C.
Hendley, Edward Cook (Col., A.M.)	Miss.	Higgins, Laurence Tracy (Eng. 14)	D.C.
B.S. 1927, Mississippi Agricultural and		Higgins, Lucy Dunwoody (Ed. 66)	D.C.
Mechanical College.		High, Edward Louis (Law 1)	Pa.
Hendricks, John E. (Law 11)	Calif.	B.S. 1929, University of Michigan.	
B.S. 1929, The George Washington		Highamith, Jasper Habersham (Law 111)	Ga.
University.		†Hilberg, Cora Lee Schubert (Col. 118)	D.C.
†Hendrickson, Andrew (Col. 24)	Okl.	Hilbert, William Edward (Law 1)	Calif.
Henning, Ann Elizabeth (Spec.)	D.C.	Graduate, 1918, U.S. Naval Academy.	
†Henry, Goldie Lorraine (Spec.)	D.C.	A.M. 1926, Columbia University.	
Henry, Mary Margaret (Jun. 55)	D.C.	†Hild, Charles Daniel (Spec.)	D.C.

Hildebrand, Marion Hoyt (Spec.)	D.C.	Hodgkins, George Wilson (Ed., Ph.D.)	D.C.
Hileman, Mary Frances (Jun.)	Va.	A.B. 1915; A.M. 1916, The George Washington University.	
Hiley, Julian (Jun.)	Ga.	Hodson, Robert Edward (Jun. 36)	Mich.
†Hill, Alice Elizabeth (Spec.)	Md.	Hochbrecky, Omer S. (Jun.)	Wia.
†Hill, Alice Marguerite (Col., A.M.)	D.C.	Hofberg, Israel Albert (Phar. 35)	D.C.
A.B. 1930, The George Washington University.		Hoffheins, Francis Mervin (Eng. 109)	D.C.
†Hill, Charles Herbert (Spec.)	Va.	Hoffman, Carl Oscar (Eng. 3)	D.C.
Hill, Dorothy Vernon (Ed. 39)	Ind.	Hoffman, Isidore Louis (Med. 111)	N.Y.
Hill, Esther (Spec.)	D.C.	A.B. 1920, The George Washington University.	
Hill, Frances Montague (Spec.)	D.C.	Hoffman, Josephine Janet (Jun. 6)	D.C.
†Hill, Mrs. I. W. (Spec.)	D.C.	Hoffman, Robert E. (Jun. 50)	D.C.
Hill, Jane Engeborg (Jun. 43)	D.C.	*Hoffman, Roy Charles (Col. 121)	Iowa
Hill, John Lyman (Jun.)	Wia.	Hoffmann, Catherine Ehrmantraut (Law 11)	D.C.
Hill, Katherine Montague (Spec.)	D.C.	*Hoffmann, James Thomas (Law 111)	Pa.
†Hill, Marguerite Katherine (Spec.)	D.C.	B.S. 1926, University of Pittsburgh.	Calif.
Hill, Neva Grace (Col. 112)	W. Va.	Hoffmann, John Martin, jr. (Law 1)	
Hill, Richard Archibald (Col. 94)	Pa.	Ed.B. 1926, University of California.	
Hill, Roberta Willard (Col. 96)	D.C.	†Hofseess, John Collins (Jun.)	Mo.
†Hill, S. Jones (Spec.)	D.C.	Hogan, William Joseph (Spec.)	D.C.
Hill, Samuel Thomas (Col. 84)	N.C.	†Hogentogler, Chester Albert (Eng.)	Md.
Hill, William Sasser, jr. (Law 111)	D.C.	Holbrook, Edna Fay (Ed., Ph.D.)	
A.B. 1927, University of Maryland.		A.B. 1923; A.M. 1924, The George Washington University.	
Hillerson, Evelyn Blanche (Jun.)	D.C.	Holden, John Bernard (Spec.)	D.C.
Hillyer, Curtis Lucius (Eng.)	Md.	Holden, Thomas Wellesley (Jun. 37)	Idaho
Hilton, George Pike (Spec.)	D.C.	Holden, William Sutherland (Law 11)	Idaho
Hilton, Lamar Stevens (Jun. 21)	N.J.	Holder, Rosa (Ed. 79)	Ala.
†Himebaugh, John D. (Jun.)	Ind.	†Holdridge, Abby (Spec.)	D.C.
Himelfarb, Stanford (Jun. 16)	D.C.	Holdridge, Anna Pauline (Spec.)	D.C.
Himmelheber, Charles Martin (F.A. 43)	D.C.	†Holdstock, Henry Bruce (Spec.)	Calif.
†Himmelheber, Joseph Bernard (F.A. 43)	D.C.	Holland, Janice (Jun.)	D.C.
Hinds, Alfred Boyd (Jun. 41)	D.C.	†Holland, Sarah Blair (Spec.)	D.C.
†Hinds, Elizabeth Whaler (Ed. 58)	D.C.	Hollander, Richard (Col. 64)	Ill.
Hiner, Richard L. (Col., M.S.)	Md.	Holliday, James Thomas (Jun. 51)	Wis.
B.S. 1920, Iowa State College.		Hollingsworth, Carol M. (Jun. 12)	Tex.
Hinea, Ida Wright (Spec.)	D.C.	Hollingsworth, Lindsay Lee (Law 1)	D.C.
Hinkel, John Vincent (Govt., A.M.)	D.C.	†Holloran, Margaret Anna (Spec.)	D.C.
A.B. 1920, Notre Dame University.		†Holmberg, Carl Nicholas (Spec.)	Md.
Hinkle, Paul (Jun.)	Ala.	†Holmead, William Frederick (Spec.)	Md.
†Hinrichs, Hazel Louise (Jun.)	Ill.	Holmes, Alice Meyer (Law 1)	Tex.
†Hirah, Bennett Marcus (Law 1)	Fla.	†Holmes, Franklin Austin (Col., A.M. 6)	
B.S. 1928, University of Pennsylvania.		A.B. 1930, The George Washington University.	
M.S. 1930, Georgetown University, School of Foreign Service.		Holmes, Grace Bruce (Spec.)	D.C.
†Hiscox, Nell Fremont (Ed. 65)	D.C.	B.S. 1919, University of Maryland.	
Hise, Bruce Leslie (Jun.)	Va.	M.S. 1922; Ph.D. 1925, The George Washington University.	
Hisey, James Wilson (Eng. 9)	D.C.	Holmes, Louis Anthony (Law 11)	Neb.
Hitch, Robert Argrizola (Law 1)	D.C.	A.B. 1928, University of Nebraska.	D.C.
B.S. 1920, University of Maryland.		†Holmes, Thomas Dale (Jun.)	D.C.
†Hitt, Gertrude Beaker (Col. 101)	D.C.	Holmes, Thomas James (Spec.)	
Hitson, Harker Henry (Law 111)	Calif.	B.S. 1924, University of Maryland.	
B.S. 1926, University of Illinois.		M.S. 1930, The George Washington University.	
Hix, Beryl (Jun.)	Kan.	Holsenbeck, Pauline Farley (Nurs. 11)	Ga.
Hoage, Alden W. (Law 11)	D.C.	Holsopple, Mary Catherine (L.S.)	D.C.
A.B. 1928, University of Maryland.		Holstein, Elwood Wesley (Col. 72)	Pa.
Hoage, Norma Ruth (Jun.)	Md.	Holt, Charlotte Martin (Jun. 12)	D.C.
†Hobbs, Caroline (Col., A.M.)	D.C.	Holt, William Luke (Jun. 47)	Utah
A.B. 1930, The George Washington University.		Holther, David K. (Law 111)	D.C.
Hobbs, Robert Boyd (Jun. 44)	Ill.	Holzer, Emma A. F. (Ed. 54)	Pa.
Hobson, Henrietta Lelia (Jun.)	D.C.	Honeror, Elizabeth (Spec.)	D.C.
Hobson, Katherine Gaskill (Jun. 15)	D.C.	Hoeff, Wilson Lee (Law 11)	D.C.
Hoch, Irving Robert (Med. 1)	Pa.	†Hooker, Jack Lewis (Jun.)	Mo.
B.S. 1930, Bucknell University.		Hoover, Charles Jackson (Law 111)	Md.
†Hockett, Margaret (Spec.)	D.C.	†Hoover, Mary Pauline (Spec.)	W. Va.
Hoddes, Irving Nathan (Phar. 71)	D.C.	Hoover, Sam R. (Col., A.M.)	
Hodge, Mary Emily (Jun. 50)	D.C.	B.S. 1930, Davis and Elkins College.	D.C.
Hodge, Ralph William (F.A. 63)	Idaho	Hoover, William Mitchell (Col. 68)	N.J.
Hodges, Harris Hamlin (Law 11)	Md.	Hope, Mildred Josephine (Jun.)	D.C.
Ph.B. 1920, Brown University.		†Hopkins, Abby Elizabeth (Spec.)	
†Hodges, Virginia Henderson (Ed. 52)	D.C.		

Students Registered

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Hopkins, Charles Webster (Eng.)	D.C.	Hubbard, Annie L. C. (Spec.)	D.C.
†Hopkins, Josephine Elizabeth (Spec.)	Mich.	Hubbard, Jerome Gellivrand (Grad., Ph.D.)	D.C.
A.B. 1928, The George Washington University.		B. Pol. Sc., 1927, American University.	
Hopkins, Werner Bernard (Jun. 4)	D.C.	M.F.S., Georgetown University.	
Hopkins, William Jesse (Jun. 18)	Kan.	Hubbard, LaFayette Ronald (Eng.)	Mont.
†Hoppman, William Henry, jr. (Col., A.M. 6)	S.C.	Hubbel, Carrie Carol (Jun. 30)	Wis.
A.B. 1929, College of Charleston.		†Huddle, Miriam West (L.S. 102)	Ohio
†Horn, Ernesta Zona (Spec.)	Mo.	Hudson, George Henry (Med. 1)	Pa.
Horne, Ida Battle (Col. 64)	N.J.	B.S. 1930, St. Vincent College.	
Horne, Charles Kenneth (Col. 86)	Va.	Hudson, Lulu Ellen (Jun.)	Md.
Hornshy, Joe Leith (Jun.)	D.C.	Hudson, Louise Roberta (Jun. 6)	D.C.
Horowitz, Samuel (Jun. 34)	N.Y.	Hudson, Mary Elizabeth (Col. 93)	D.C.
†Horsey, Virginia Wilson (Jun.)	Md.	†Hudson, Maude Percy (Col. 94)	D.C.
Horsfall, Carra Elizabeth (Col., A.M.)	D.C.	†Hudson, Raymond Minor (Jun. 51)	D.C.
A.B. 1930, Reed College.		Hudson, Schuyler Bennis (Eng.)	D.C.
Horsley, Arthur Samuel (Law III)	Utah	Hudson, Thomas Buford (Law 1)	D.C.
Horsnell, Lois Frances (Jun. 6)	D.C.	Huester, Harry Joseph (Spec.)	Va.
†Horstcamp, Francis A. (Spec.)	D.C.	Huey, Floyd Augustus (Law II)	Pa.
Horton, Elizabeth Ruth (Spec.)	N.Y.	A.B. 1929, Dickinson College.	
Horton, Francis Myron (Jun.)	Va.	Huey, Samuel R. (Col. 30)	Ill.
†Horton, Mabel Falls (Col. 63)	D.C.	†Huff, Marion M. (Jun.)	D.C.
Horwitz, Jean Himmelfarb (Law III)	D.C.	Huff, Thomas Marx (Jun. 94)	Miss.
A.B. 1924, The George Washington University.		Huffman, Theodore Glendora (Jun.)	D.C.
Hoskinson, Virginia Clare (Ed. 63)	D.C.	Hufnagel, Charles Fred (Jun. 47)	D.C.
Hosfeld, Raymond Frederick (Law 1)	D.C.	Hughes, Alice Virginia (Jun.)	Md.
B.S. 1930, The George Washington University.		Hughes, Carol White (Col. 81)	Kan.
Hosterman, Catharine Elizabeth (Ed. 78)	Pa.	†Hughes, Joseph D. (Law 1)	Ala.
†Hortel, Marjorie Virginia (Spec.)	D.C.	†Hughes, Louise Ruppert (Ed. 29)	D.C.
†Houck, Catherine M. (Col., A.M.)	D.C.	†Hughes, Mary Estelle (Ed., A.M.)	D.C.
A.B. 1930, The George Washington University.		A.B. 1929, The George Washington University.	
Hough, Eleanor Margaret (Grad., Ph.D.)	D.C.	Hugus, Sarah Templeton (Col. 74)	Pa.
A.B. 1914, Wellesley College.		Huless, Genevieve Dorothy (Jun. 9)	Md.
A.M. 1928, The George Washington University.		†Hull, Lowell S. (Jun.)	Mo.
Houser, Harold Alexander (Law III)	D.C.	Hull, Moody (Col. 66)	W.Va.
Graduate, 1921, U.S. Naval Academy.		Huls, Frances Elizabeth (Jun.)	D.C.
Houston, David F. (Col., M.S.)	D.C.	†Huls, Ralph Maurice (Spec.)	D.C.
A.B. 1927, Carleton College.		†Hultquist, John Albert (Law 1)	Colo.
Houston, Paris T. (Law 1)	Tenn.	†Hultz, Louise C. (Jun. 55)	D.C.
A.B. 1930, Lincoln Memorial University.		†Humphrey, Rose Castrol (Ed. 51)	D.C.
Hovey, Ruth Mariel (Ed., A.M.)	Iowa	Humphries, Howard Franklin (Jun. 35)	Md.
A.B. 1930, State University of Iowa.		Humphries, Louise Whitehouse (Col. 81)	D.C.
Howard, Andrew (Law III)	Mo.	Hung, Kwei (Govt., A.M.)	China
Howard, Joseph Cassin (Jun. 32)	D.C.	A.B. 1928, University of Communications, Peking, China.	
†Howard, L. Vashro (Col., A.M.)	Va.	†Hunt, Adelaide D. (Ed., A.M.)	Pa.
B.S. 1921, Radford State Teachers' College.		B.S. 1923, Columbia University.	
Howard, Marion Langhorne (Grad., Ph.D.)	Ga.	Hunt, Charles Maxwell (Jun. 30)	D.C.
B.S. 1920, University of Georgia.		†Hunt, Fred Drum (Jun.)	D.C.
†Howell, Paul Thomas (Col. 120)	D.C.	†Hunt, Lucy Jones (Ed. 121)	D.C.
Howderhelli, Josephine W. (Ed. 78)	Va.	Hunt, Margaret Clarke (Law II)	D.C.
Howe, Lenora N. (Spec.)	Pa.	A.B. 1929, The George Washington University.	
Howe, Sarah Louise (Jun. 54)	D.C.	Hunt, Thelma (Med. 1)	Md.
Howell, Frances Alice (Ed. 54)	D.C.	A.B. 1924, A.M. 1925, Ph.D. 1927, The George Washington University.	
Howell, James Pless (Jun. 25)	D.C.	Hunter, Amy Belle (Jun. 33)	D.C.
Howell, Louise S. (Spec.)	Miss.	Hunter, Corita Elizabeth (Jun. 12)	D.C.
A.B. 1924, Mississippi State College for Women.		Hunter, Edwin Hobson (Col. 108)	D.C.
Howenstein, Ralph (Spec.)	D.C.	Hunter, Gilbert Thurston (Jun.)	Va.
†Howlett, Ellen Duncan (Jun. 32)	D.C.	†Hunter, Grace H. (Spec.)	D.C.
Howlett, Thomas Denton (Law II)	Mich.	†Hunter, Marjorie deCou (Col. 100)	D.C.
A.B. 1930, Kalamazoo College.		Hunter, Richard Sewall (Jun. 46)	Va.
Hower, George Francis (Eng. 41)	Md.	Hunter, Rollin Ankeny (Law III)	Iowa
Hoyt, John Mitchell (Law 1)	D.C.	Huntington, Robert Tilden (Eng. 19)	D.C.
A.B. 1928, The George Washington University.		†Huntington, Zena Dinehart (L.S.)	Ind.
Hoyt, Mary Evelyn (L.S. 60)	D.C.	A.B. 1925, Indiana University.	
		†Huntzberger, Mae Loser (Spec.)	D.C.
		A.B. 1929, The George Washington University.	
		†Hurd, Grace Elizabeth (Spec.)	D.C.
		Hurd, Margery Churchill (Ed. 50)	D.C.
		†Hurley, Ann Cornelia (Spec.)	Vt.

Hursh, Francis Harold (Eng. 12)	D.C.	Jackson, George Maynard (Law Uncl.)	Tenn.
Huss, Jane Porter (Jun.)	D.C.	Jackson, Homer Burton (Col., A.M. 6)	D.C.
†Hussey, William B. (Jun. 24)	D.C.	A.B. 1929, University of Washington.	
Hutchinson, Edwin Randall (Law 1)	D.C.	Jackson, J. McIver (Med. III)	Va.
B.S. 1930, LaFayette College.		A.B. 1928, Washington and Lee	
Hutchison, Dan Williams (F.A. 102)	Mo.	University.	
Hutchison, Earl Wedderburn (Law 11)	Pa.	†Jackson, Jean van Loan (Col., A.M.)	D.C.
B.S. 1916, University of Wisconsin.		A.B. 1930, The George Washington	
Hutchison, Elizabeth H. (Ed. 61)	D.C.	University.	
Hutchison, Lillian Ruth (L.S.)	D.C.	†Jackson, John Paul (Spec.)	D.C.
A.B. 1927, The George Washington		Jackson, John Wingfield (Law 11)	D.C.
University.		B.S. 1928, University of Pennsylvania	
Hutson, John Henry, jr. (Col. 69)	D.C.	Jackson, Oscar Avelin (Col., A.M. 9)	D.C.
†Hutt, Sylvia Costin (Ed. 54)	Va.	A.B. 1929, The George Washington	
†Hutto, George M. (Jun.)	Ind.	University.	
Hutton, Alvin Campbell (Eng. 56)	D.C.	Jackson, Ruth (Med. 11)	D.C.
Hutton, Harry Theodore (Law 1)	D.C.	A.B. 1927, The George Washington	
B.S. 1930, The George Washington		University.	
University.		Jackson, Sarah Lucrece (Spec.)	Ala.
Hutton, Virginia (Nurs. 11)	W.Va.	Jackson, Thomas Searing (Jun. 54)	D.C.
Hyatt, Janice Pearle (Jun. 57)	Md.	Jackson, Virginia Schafer (Ed. 54)	D.C.
†Hyatt, Louis (Jun.)	D.C.	Jackson, Zolph B. (Jun.)	Mo.
Hyde, DeWitt Stephen (Jun. 54)	D.C.	Jacobi, George King (Jun.)	Md.
†Hynes, Edward Lawrence (Jun.)	D.C.	Jacobs, Esther (Jun. 32)	Conn.
†Hynes, Kathleen F. (Jun.)	Mass.	Jacobs, Florence Lillian (Col. 68)	N.Y.
†Anson, Nanny Armistead (Law 11)	D.C.	†Jacobs, Laura (Spec.)	Va.
A.B. 1930, The George Washington		Jacobs, May Elizabeth (Jun.)	D.C.
University.		Jacobs, Pearl Virgil (Jun. 21)	Fla.
Ibarra, Julianne (Jun. 12)	D.C.	†Jacobs, Selma Lavenstein (Col., A.M.)	D.C.
Ichilian, Harold James (Jun.)	D.C.	A.B. 1930, Randolph-Macon College.	
Iglehart, Donald Hunt (Col. 102)	D.C.	†Jacobsen, Paul D. (Jun.)	D.C.
Ignacio, Macario Canlas (Spec.)	D.C.	Jacobsen, Robert Parker (Col., A.M.)	Neb.
Ihle, Dora Mildred (Jun. 49)	Va.	A.B. 1930, Doane College.	
Imlay, Alice Marguerite (Jun. 26)	D.C.	†Jacobson, J. Daniel (Eng.)	Minn.
†Ince, Myrtle Geraldine (Spec.)	D.C.	Jacobson, Murray B. (Med. 1v.)	N.J.
Ing, Winifred Mary (Jun. 12)	D.C.	A.B. 1927, The George Washington	
Ingersoll, William Belt (Jun. 42)	Md.	University.	
Ingham, Inez Aileen (Jun.)	D.C.	†Jaffe, Helen (Jun. 13)	D.C.
Inman, Macon (Spec.)	Md.	Jakosky, Milton (Eng. 117)	Va.
Inslicht, Hyman (Med. 11)	N.J.	James, Irene Dwyer (F.A. 59)	Md.
†Ireland, James Kennedy (Jun.)	D.C.	James, Louise K. (Ed. 57)	D.C.
†Irey, Josephine Laura (Col. A.M.)	D.C.	Jameson, Edith Kincaid (Jun.)	Tex.
A.B. 1930, The George Washington		†Jameson, Marvin Russell (Spec.)	Ind.
University.		Jamison, William Edward (Col. 9)	Wis.
Irish, Oliver John (Spec.)	D.C.	†Jandrey, Fred William (Spec.)	Minn.
A.B. 1916, State University of Iowa.		Jansen, Eugene F. (Col. 99)	D.C.
M.S. 1924, The George Washington		Jarman, B. Herman (Ed., A.M.)	
University.		B.S. 1928, Westchester State Teachers	
Irving, George W., jr. (Col. 60)	D.C.	College.	Calif.
Isbell, May Davidson (Jun.)	Md.	Jarvis, George Young (Jun. 27)	D.C.
†Isham, Willard Smith, jr. (Spec.)	D.C.	Jarvis, James Raymond (Med. 1v.)	
B.S. 1928, The George Washington		A.B. 1927, Ohio State University.	
University.		Jarvis, Sarah G. (Jun.)	D.C.
†Isherwood, Ruth Koontz (Jun. 10)	Md.	†Javier, Pedro Q. (Col. 91)	P.I.
Iverson, Evelyn Augusta (Jun. 31)	D.C.	Jefferys, Robert Larew (Law 1)	W.Va.
Iverson, Kenneth R. (Law 1)	D.C.	Jeffrey, Millard (Col. 102)	D.C.
Ives, Orville Vernon (F.A.)	Conn.	†Jeffries, Mary Kathryn (Jun. 37)	Ind.
Jackson, Arthur Rulon (Law 11)	Urah.	†Jehne, Theodore Roskam (Spec.)	Va.
†Jackson, Carey Birdsong (Spec.)	Miss.	B.S. 1927, Johns Hopkins University.	W.Va.
B.S. 1928, Mississippi Agricultural and		Jemison, Karl A. (Jun.)	D.C.
Mechanical College.		Jemison, William Zimmerman (Law 111)	D.C.
A.M. 1929, The George Washington		†Jenkins, Clyde Harvey (Jun.)	Md.
University.		Jenkins, Harold Leon (Col., A.M.)	
Jackson, Carolyn Fay (Col. 81)	Md.	A.B. 1930, The George Washington	
Jackson, Charles Horatio, jr. (Law 11)	Tex.	University.	
A.B. 1930, The George Washington		†Jenkins, James Harry (Spec.)	D.C.
University.		Jenkins, Rebekah White (Nurs. 11)	N.Y.
†Jackson, Clarence Evert (Col., A.M.)	S.D.	†Jennings, Dorothea (Jun.)	S.C.
A.B. 1927, Carleton College.		†Jennings, Ruth (Spec.)	S.D.
†Jackson, Dudley Chase (Spec.)	D.C.	Jespersen, Anna (Col., M.S.)	
†Jackson, Franklin Joseph (Ed., A.M.)	Va.	B.S. 1924, South Dakota State College.	Okla.
A.B. 1921, The George Washington		†Jessup, Daniel Arthur (Law 1)	
University.		A.B. 1930, The George Washington	
		University.	

Students Registered

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† Jessup, Ralph Slocumb (Spec.) B.S. 1914, Virginia Polytechnic Institute. A.M. 1929, The George Washington University.	D.C.	Johnston, Everett Dale (Law III) A.B. 1927, The George Washington University.	Ohio
Jester, Leon Wright (F.A. 90)	Fla.	Johnston, Marien Brickley (Ed. 105) Johnston, William Drumm, jr. (Grad., Ph.D.)	Va.
Jesky, Celia S. (Jun.)	Mass.	B.S. 1921, University of Chicago.	D.C.
† Jett, Clifton Hubert (F.A. 14)	Va.	† Johnstone, Anne Davis (Spec.)	D.C.
Jeweler, Max Louis (Jun. 55)	D.C.	Joiner, Fred H. (Jun. 21)	N.Y.
Jewell, Edgar Guy (Ed., A.M. 14) A.B. 1929, The George Washington University.	Md.	† Jonas, Esther H. (Ed.)	D.C.
Jex, Garnet (F.A., A.M. 28) A.B. 1927, The George Washington University.	D.C.	Jones, Ashton Crenshaw, jr. (Spec.) B.S. 1930, Virginia Military Institute.	Va.
† Johanns, Olga Julia (Govt., A.M.) A.B. 1930, College of Charleston.	S.C.	Jones, Cecil H. (Col. 95)	Ky.
† Johannesen, George Thomas (Spec.)	D.C.	Jones, Donald Rhesa (Eng. 6)	D.C.
† Johansen, Chester Eugene (Col., A.M.) A.B. 1929, Macalester College.	Minn.	† Jones, Dorothy C. (Ed. 48)	Md.
† Johns, Marjorie Alice (Spec.)	D.C.	Jones, Frances Beaumont (Spec.) A.B. 1930, The George Washington University.	D.C.
* Johnson, Arlin Rex (Col., M.S. 12) B.S. 1924, Brigham Young University.	Utah	Jones, Frances Harris (Jun.)	Md.
Johnson, Arvid J. (Spec.)	Minn.	† Jones, Harold Clifford (Col. 83)	Md.
Johnson, Carl Dalton (Eng. 30)	D.C.	Jones, Helen Carry (Col., A.M. 27) A.B. 1928, The George Washington University.	D.C.
Johnson, Catherine Virginia (Col. 101)	Va.	Jones, Helen Hull (Jun.)	D.C.
Johnson, Clarence Gustaf (Jun. 28)	Mass.	† Jones, Howard Allen (Spec.) B.S. 1925, M.S. 1930, The George Washington University.	Va.
† Johnson, Cyrus (Col. 91)	Md.	† Jones, Jack Albert (Jun.)	Tex.
Johnson, Elmyra Catherine (Spec.)	Mich.	† Jones, James B. (Jun.)	D.C.
Johnson, Emera P. (Col. 63)	Md.	Jones, Juliet A. (Spec.) B.S. 1928, State Teachers' College, Farmville, Va.	Va.
Johnson, Ervin George (Law II) B.S. 1927, University of California.	Calif.	† Jones, L. Agnes (Spec.)	Va.
Johnson, Esther Harriet (Jun. 26)	D.C.	Jones, Lenora Louise (Spec.)	Me.
Johnson, Everett Royal (Eng.)	S.D.	Jones, Lillian Arabelle (Ed., A.M.) A.B. 1928, University of South Carolina.	S.C.
Johnson, Falba Love (Col., M.S. 24) A.B. 1905, Columbia College for Women.	S.C.	Jones, Lincoln Samuel (Spec.)	D.C.
Johnson, Florence Marilyn (Jun. 3)	D.C.	† Jones, M. P. Jennings (Ed., A.M.) A.B. 1913, Southwestern College.	Va.
Johnson, Frances Ashlin (Jun. 78)	D.C.	Jones, Margaret Ann (Jun.)	D.C.
Johnson, Frances Elvera (Spec.)	Minn.	† Jones, Margaret J. (Jun.)	Iowa
Johnson, Fred F. (Col. 80)	Calif.	† Jones, Marjorie Ross (Ed., A.M.) A.B. 1928, Bucknell University.	Pa.
Johnson, George Edmund (Law II)	D.C.	Jones, Marvin Edward (Jun. 36)	Wis.
Johnson, George Eric (Jun.)	Minn.	Jones, Myrna Frances (Grad., Ph.D.) A.B. 1924, Doane College. M.S. 1926, University of Illinois.	Md.
Johnson, Harry Wiswell (Spec.) A.B. 1927, The George Washington University.	D.C.	Jones, Parker Haddaway (Jun. 26)	D.C.
Johnson, James Lloyd (Eng. 79)	Ohio	Jones, Ralph Edmund, jr. (Jun. 52)	D.C.
Johnson, Joseph Read (Jun.)	Ill.	Jones, Rollin Deloss (Eng. 35)	D.C.
Johnson, Keith Charles (Jun.)	D.C.	Jones, Sara Katherine (Jun. 26)	D.C.
Johnson, Lasky Wanstall (Mrs.) (Ed. 113)	D.C.	Jones, Sarah Ann (L.S. 104)	Ky.
Johnson, Lasky Wanstall (Miss) (Ed. 90)	D.C.	Jones, Thomas Allen (Eng. 26)	Utah
Johnson, Lennie G. (Spec.)	Va.	† Jones, Walter Kiger (Ed. 763)	Md.
Johnson, Lewis R. (Jun.)	D.C.	† Joray, Hall Armand (Eng. 23)	D.C.
Johnson, Livingston Lee (Eng. 113)	D.C.	Joseph, Anna Oberlander (Nurs. 1)	Pa.
Johnson, Madge M. (Ed. 1)	N.C.	Joseph, Mae Elizabeth (Jun. 36)	Ohio
† Johnson, Miriam (Ed., A.M.) A.B. 1926, West Virginia University.	W.Va.	Joslin, Hiram Millard (Law III) A.B. 1922, Coe College.	Iowa
Johnson, Moselle (Jun. 12)	D.C.	† Jourdan, Walter C., jr. (Eng. 24)	Vt.
Johnson, Paul Evan (Govt. 57)	Wis.	† Jovick, Vance Anthony (Jun.)	Mont.
Johnson, Paul Gerhard (Jun. 54)	Wis.	Joyce, Ralph Fairbanks (Law III) A.B. 1927, Allegheny College.	Pa.
† Johnson, Ranghild Christine (Spec.) Graduate, 1922, U.S. Naval Academy.	D.C.	Joyes, Charlotte Patricia (F.A.)	Mass.
† Johnson, Ruth Catherine (Jun. 30)	Wis.	† Joyner, Frances Elizabeth (Jun.)	D.C.
Johnson, Selmer Leroy (Jun.)	D.C.	Joynt, John Howard (Law III) B.S. 1925, Carnegie Institute of Technology.	Va.
Johnson, Virginia Gravel (Col.)	Md.	M.S. 1928, Massachusetts Institute of Technology.	
Johnson, Adelaide Thom (Col. 75) A.B. 1930, Williams College.	D.C.	Judson, Elbert Bell (Col. 86)	D.C.
Johnson, Alan Ladd (Law I)	Va.	Jumper, Charles Henry, jr. (F.A. 88)	D.C.
Johnson, Albert Caldwell (Law I) A.B. 1930, The George Washington University.		† Juno, Irene (Spec.)	D.C.

†Jurkovich, Clara Allen (Ed., AM. 13)	D.C.	Kehoe, Elizabeth Agnes (Col. 42)	Pa.
A.B. 1922, The George Washington University.		Keim, Mariorie Herrle (L.S. 80)	D.C.
Justus, Chester Lee (Law 1)	Idaho	Keim, Melba Marguerite (Nurs. 1)	Pa.
B.S. 1928, University of Idaho.		Keiper, Francis Pitman (Law 111)	N.Y.
Juten, Milford Amandus (Law 1)	Minn.	A.B. 1927; E.E. 1928, Cornell University.	
Kadushin, Herbert Abner (Jun. 32)	N.Y.	Keister, Ralph Headley (Jun. 27)	D.C.
Kahler, Elizabeth Virginia (Jun. 35)	D.C.	Keith, Dallas (Jun. 35)	D.C.
Kahn, Frances Morris (Col. 63)	D.C.	Keith, John Augustine C. (Law 1)	Va.
†Kaiser, Bernice Marie (Spec.)	D.C.	Keitt, William Lawrence (Law 111)	Tex.
Kaiser, Herman Frederick (Col., M.S. 16)	D.C.	A.B. 1926, University of Texas.	
B.S. 1928, University of Nevada.	D.C.	†Kelleher, Edith Reynolds (Spec.)	D.C.
†Kalb, Dorothy Duhrman (F.A., A.M. 12)	D.C.	Kelleher, Clarence Stanislaus (Eng. 8)	D.C.
A.B. 1916, The George Washington University.	D.C.	†Keller, John Julius (Eng. 6)	D.C.
Kalk, Clarence Ambrose (Law 11)	N.Y.	Keller, Hunter Lambert (Jun. 36)	D.C.
E.E. 1928, Rensselaer Polytechnic Institute.		Keller, William Davis (Law 11)	Calif.
†Kallio, Wilho (Spec.)	Minn.	A.B. 1929, University of Southern California.	
Kallia, Milton Albert (Col., A.M.)	Ill.	Kelley, Luise (Jun.)	D.C.
Ph.B. 1930, University of Chicago.		Kellogg, Clyde Elmer (Law 11)	D.C.
LL.B. 1921, Northwestern University.		Kellogg, G. Ted (Jun.)	S.D.
Kamm, Edmund William Emil (Law 1)	Ind.	Kelly, Hazel Virginia (Col. 86)	N.C.
B.S. 1930, Purdue University.		Kelly, Helen G. (Ed.)	N.Y.
Kampe, Albert Henry (Law 11)	Mich.	Kelly, Jean Shaw (Jun. 31)	Va.
B.S. 1924, The George Washington University.		†Kelly, John Stuart (Jun. 6)	D.C.
Kanagy, Joseph Raymond (Spec.)	Pa.	Kelly, Mary Frances (Jun.)	D.C.
B.S. 1928, Westminster College.		Kelly, Ruth Elizabeth (Spec.)	N.Y.
A. M. 1930, Oberlin College.		Kelly, Warren Sylvester (Spec.)	Md.
Kane, James Martin (Law Spec.)	N.D.	Kelso, Mary Emmeline (Jun. 12)	D.C.
†Kane, James Michael, jr. (Spec.)	Calif.	†Kelton, Edith R. W. (Spec.)	D.C.
Kane, Margaret Catherine (Spec.)	D.C.	Kemball, Dorothy Jean (Col., M.S. 3)	D.C.
A.B. 1930, The George Washington University.		A.B. 1928, The George Washington University.	
Kanof, Naomi Marilyn (Med. 1)	N.Y.	Kemp, Evelyn Lulu (Spec.)	D.C.
†Kaplan, George Fenimore (Spec.)	N.Y.	†Kempt, Mary Josephine (F.A. 24)	D.C.
Kardell, Jean Maryann (Jun. 24)	D.C.	Kendrick, Caldwell C. (Col. 67)	Va.
Karr, Day Payne (Law 111)	Wash.	Kenestrick, Millard Lewis (Eng. 67)	Ind.
A.B. 1920, University of Washington.		Keng, Yi Li (Col., A.M.)	China
Karr, Margaret (Ed., A.M.)	Md.	B.S. 1927, National Southeastern University, Nanking, China.	
B.S. 1930, University of Maryland.		Kennedy, David M. (Jun. 55)	Utah
Karrigan, Stephen Francis (Jun. 12)	D.C.	†Kennedy, George Boutelle (Spec.)	D.C.
Kassan, Robert Jack (Jun. 37)	D.C.	Kennedy, George Hanford (Spec.)	D.C.
†Kaster, Leonard (Jun.)	Wis.	†Kennedy, Jane Elizabeth (Spec.)	N.Y.
Kaubler, Ella Henrietta (Jun. 45)	D.C.	Kennedy, John Joseph, jr. (Med. 111)	Va.
Kauffman, Bertha (Govt. 62)	D.C.	†Kennedy, Mabel Louise (Ed., A.M.)	
Kauffman, Wilbur Richard (Col. 80)	D.C.	A.B. 1927, The George Washington University.	D.C.
†Kauffmann, Annette Mary (Spec.)	D.C.	Kennedy, Mary Hanford (Col.)	Pa.
†Kaufman, Joel Swope (Jun.)	D.C.	Kennedy, Ralph Grant, jr. (Col.)	D.C.
Kause, Selma (Col., A.M. 22)	D.C.	Kennedy, Rena Fleagle (Ed. 69)	Va.
A.B. 1925, The George Washington University.		Kennedy, William Brent (Col. 96)	Ind.
Kaye, Homer Cash (Jun.)	Mo.	Kennell, C. Raber (Jun. 24)	D.C.
Keahey, William (Phar. 14)	D.C.	Kent, Ann Patrick (Med. 11)	
Keane, Nora Lee (Spec.)	D.C.	A.B. 1930, The George Washington University.	D.C.
†Keating, George Joseph (Law 1)	N.Y.	Kent, Hazel Elizabeth (Ed. 61)	Pa.
Keatley, George Harold (Law 1)	Pa.	Kent, Joseph Edgar (Med. 1)	
Ph.B. 1927, Dickinson College.		B.S. 1928, St. Vincent's College.	D.C.
Keefauver, Lester Summers (F.A.)	Md.	Keough, Paul Hamilton (Col., A.M.)	
†Keefe, Rupert F. (Spec.)	R.I.	A.B. 1929, The George Washington University.	
†Keegin, Stafford Warwick (Spec.)	D.C.	†Kephart, Olive Taylor (L.S. 68)	Md.
LL.B. 1930, The George Washington University.		Kern, John Francis (Jun.)	Md.
Keeler, Clark Beane (Jun. 12)	D.C.	Kerr, Evelyn Ruth (Jun. 37)	D.C.
Keeler, Dorothy Sawyer (Nurs. 1)	D.C.	†Kerr, James (Spec.)	Md.
Keely, James Everett (Law 1)	Mass.	Kerr, James Patterson (Jun.)	D.C.
B.S. 1930, Massachusetts Institute of Technology.		Kerr, John Compton (Jun.)	Ill.
Keenan, Jeannette G. (Jun. 6)	D.C.	†Kerr, Juliana Clark (Spec.)	
Keener, John Rankin (Jun. 36)	D.C.	Kerst, Paul Edward (Law 1)	
		Graduate, 1928, U.S. Naval Academy.	
		†Kerttu, Emil William (Law 1)	Minn.
		Kerwin, Mary Agnes (Jun. 3)	Wis.
		Kessler, Eva Farnham (Ed. 71)	D.C.
		†Kessler, Frances Rozelle (Spec.)	D.C.

Students Registered

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Kessler, William (Col. 95)	N.Y.	Kirby, Virginia (Ed., A.M.)	D.C.
Kestred, Mildred (Spec.)	N.Y.	A.B. 1926, The George Washington University.	
Ketchum, Frank Gordon (Eng. 20)	Mich.	†Kirk, Charles A. (F.A., A.M.)	Mont.
Ketchum, Miriam Blaisdale (L.S. 70)	Ga.	B.S. in Arch. 1930, Montana State College.	
Kettering, James H. (Col. 108)	D.C.	Kirk, Charles Roger (Law III)	Ohio
Keyser, Charles Frank (Col. 90)	D.C.	A.B. 1929, The George Washington University.	
Keyser, Herbert Fred (Spec.)	N.H.	†Kirk, Katharine Emma (Ed. 54)	D.C.
Keyt, William Ward (Law I)	D.C.	Kirk, Page (Spec.)	D.C.
A.B. 1928, Ohio Wesleyan University.		Kirk, Ruth Kinbrough (Ed. 108)	D.C.
Keyton, Gemie Agnes (Jun.)	Ala.	†Kirkham, Alden John (Col. 66)	Urah
Kibler, Godfrey Lawrence (Ed. 67)	S.D.	Kirkham, Ellis Messer (Col. 71)	D.C.
Kidd, Clarence Jefferson (Spec.)	Tex.	Kirkham, Francis Robinson (Law III)	Urah
Kidwell, Gertrude (Col. 70)	Mo.	†Kirkwood, Jean Caroline (Jun. 26)	D.C.
†Kieferle, Alice Kennedy (Jun. 39)	D.C.	†Kirsch, Theodore (Jun. 40)	D.C.
Kiehn, Kathryn (Col. 90)	D.C.	Kirson, Alvin Sylvester (Spec.)	Va.
Kiel, Helen Julia (Jun. 15)	D.C.	Kirson, Reba (Spec.)	Va.
Kiernan, Helen Cogan (Ed. 71)	D.C.	†Kirtley, Mary Adelaide (Ed. 71)	D.C.
†Kiernan, John Edmund (Spec.)	D.C.	Kise, Eleanor Elizabeth (Ed. 62)	D.C.
Kiesel, Harold (Jun.)	D.C.	†Klauder, Charles L. F. (Spec.)	Pa.
Kiehl, Emma (Jun. 56)	Ind.	Kleiman, Aaron H. (Med. 1)	N.Y.
Kierlane, Edward Martin (Eng.)	Pa.	A.B. 1930, The George Washington University.	
†Kierlane, Madeline Mudd (Ed. 50)	D.C.	Klein, Ellis (Law III)	Va.
†Kilian, Joseph Edward (Law I)	D.C.	B.S. 1928, University of Richmond.	
Kilstein, Richard Isaac (Med. 1)	Mich.	Klein, Margaret Anna (Col., A.M.)	Pa.
Kimball, Arthur Alden (Law 11)	N.Y.	A.B. 1926, The George Washington University.	
Kimball, Max Knowlton (Spec.)	Mass.	Klein, Milton (Med. III)	N.Y.
Kimble, Ralph Mitchell (Col. 116)	D.C.	A.B. 1928, The George Washington University.	
Kimble, Seruch T. (Spec.)	Va.	Klein, Narron Tully (Jun.)	N.J.
A.B. 1908, University of Delaware.	D.C.	Kleinman, Joseph (Jun. 9)	D.C.
Kime, James Alfred (Col., M.S.)	D.C.	†Klem, Margaret Coyne (Spec.)	N.Y.
B.S. 1929, Tarkio College.	Mo.	Klempay, Francis Joseph (Law II)	Ohio
Kincannon, Petrus M. (Law I)	Ark.	B.S. 1929, Carnegie Institute of Technology.	
King, Allan Harrison (Jun.)	D.C.	Klesner, Samuel Franklin (Med. III)	Mich.
†King, Angus Stanley (Law III)	Va.	A.B. 1928, Kalamazoo College.	
B.S. 1926, College of William and Mary.		Kline, Adelaide Stiles (Col. 91)	Pa.
King, Charles Leonard (Law III)	Mo.	Kline, John Reed (Col., A.M. 20)	Mo.
King, Eleanor Woodward (Jun.)	Va.	B.S. 1917, University of Missouri.	
King, Elsie Snow (Col., A.M. 21)	W.Va.	L.L.B. 1926, The George Washington University.	
A.B. 1929, The George Washington University.		†Kline, Mildred (Ed., A.M.)	Va.
King, Harvey Winter (Eng. 56)	D.C.	B.S. 1928, Harrisonburg State Teachers' College.	
King, Henry Edward, jr. (F.A. 74)	D.C.	Kline, Ruth (Spec.)	D.C.
King, Henry Kendall (Col. 43)	Va.	Klirvitzky, Boris Max (Law II)	D.C.
King, Jantha Platte (F.A.)	Va.	Klopfel, Lewis White (Eng. 97)	D.C.
King, James Calder (Jun.)	Va.	Klortz, Paul Jerry (Col. 95)	Mo.
King, James David (Med. 1)	Va.	Knapp, Ignatius Melchior (Law I)	Pa.
King, Joseph Aloysius (Eng. 23)	China	Knapp, James Webb (Col. 92)	Mo.
†King, Llewellyn H. (Spec.)	D.C.	Knappen, Phoebe Matura (Spec.)	N.Y.
A.B. 1930, The George Washington University.	D.C.	A.B. 1925, The George Washington University.	
King, Lorraine LeBon (Spec.)	D.C.	Knarr, Aurel J. (Jun. 47)	Ind.
King, Margaret Lumpkin (Col. 59)	Va.	†Knee, Pauline (Ed., A.M. 10)	Va.
King, Mary Ella (Jun.)	Pa.	A.B. 1916, Elizabeth College.	
†King, Paul Erwin (Jun.)	D.C.	†Knight, Albin Frank (Law I)	Md.
King, Phyllis Elizabeth (Ed. 55)	D.C.	B.S. 1929, University of Maryland.	
King, Raymond S. (Jun. 39)	D.C.	Knight, Frederick Hawley (Law II)	Vt.
Kingsbury, Clifford Harkness (Eng. 46)	Mich.	B.S. 1928, Worcester Polytechnic Institute.	
Kingsbury, Ralph M. (Col., A.M.)	Wis.	†Knight, Isabel B. (Spec.)	D.C.
A.B. 1927, Lawrence College.		†Knight, Perle (Col. 80)	Ala.
†Kingsolver, Abner Price (Eng. 19)	Va.	Knight, Robert Ernest (Col., A.M. 9)	Va.
Kinnard, Virginia (Col. 70)	D.C.	B.S. 1920, University of Virginia.	
Kinnear, Agnes Inch (Ed., A.M. 9)	D.C.	Knight, William Bernard (Spec.)	Va.
A.B. 1923, The George Washington University.	D.C.	†Knighton, Helen Margaret (Ed. 59)	D.C.
Kinsler, Charles Alvin (Jun. 11)	Okla.	Knighton, Joseph Wilson (Law III)	Md.
†Kinsey, Louise Hamilton (Jun. 29)	D.C.	B.S. 1917, St. John's College.	
†Kintz, Ruth Bagley (Ed. 50)	D.C.		
†Kirby, Lloyd (Jun. 3)	D.C.		
†Kirby, Mildred L. (Spec.)	D.C.		
†Kirby, Odessa Florence (Spec.)	D.C.		

Students Registered

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Landru, Herschel Clarence (Grad., Ph.D.) A.B. 1928; A.M. 1930, University of Oregon.	Ore.	†Leahy, Margaret Elizabeth (Spec.)	Ind.
Landwehr, Burton Fred (Jun. 56)		Leaman, Kathryn Underwood (Ed. 80)	D.C.
Lane, Mary Warfield (Spec.)	Pa.	†Leane, Mary Hannan (Jun. 6)	D.C.
A.B. 1926, Smith College.	Va.	†Leapley, Lillian Thomas (Jun. 12)	D.C.
Lane, Priscilla (Jun.)		Leatherwood, Reuben Francis (Eng. 84)	D.C.
Langford, George Frank (Law 11)	D.C.	†Ledford, Denton (F.A. 12)	D.C.
M.E. 1927, Stevens Institute of Technology.	N.Y.	Ledger, Richard (Eng.)	D.C.
Langley, Edith Elizabeth (Jun.)	Va.	Ledman, Hornbaker Bradford (Law 1)	Va.
Langshaw, Gertrude (Law 111)	Mich.	Lee, Donald Edward (Jun. 54)	Win.
Lankford, Johnnie (Eng. 59)	Va.	Lee, Edward Myers (Law 11)	D.C.
Lankford, Roberta (Jun.)	Md.	B.S. 1922, College of William and Mary.	
Janier, Harvey Turner (Jun.)	Md.	B.S. 1925, Massachusetts Institute of Technology.	
Janman, Maurice Holahan, jr. (Jun.)	D.C.	†Lee, John Pitt (Spec.)	Md.
Lannan, John Vincent (Law 1)	Minn.	Lee, Joseph Fitzhugh (Spec.)	D.C.
Lappen, Sylvan Harold (Jun.)	D.C.	†Lee, Lewis Nelson (Jun. 3)	Tex.
LaQuay, Robert Reginald (Col. 105)	Md.	Lee, Martha Ellen (Jun. 36)	D.C.
Larcombe, Howard (Jun.)	D.C.	Lee, Mary Ellice (Col. 24)	Va.
Larcombe, John Ray (Law 1)	D.C.	Lee, Mary Virginia (Col., A.M. 6)	Ill.
Large, John Runyan (Grad., Ph.D.)	Wash.	A.B. 1929, The George Washington University.	
B.S. 1926, Washington State College.		†Lee, Robert Edward (Law 111)	D.C.
M.S. 1928, University of Arkansas.		Lee, Thomas Girard (Col. 85)	D.C.
Larkey, Irving Gilbert (Jun. 32)	N.J.	Lee, William Vanaman (F.A.)	N.J.
Larrazolo, Mildred Tisdale (Jun. 3)	D.C.	Leeper, Mary Earther (Ed. 54)	N.C.
Larick, George Potter (Spec.)	Va.	†Leesitzer, Isobell Bell (Spec.)	D.C.
Larsen, Alton R. (Col., A.M.)	Utah	†LeFever, Rose Lillian (Spec.)	D.C.
B.S. 1928, Brigham Young University.		Leffer, Harold Allen (Jun. 36)	D.C.
Larsen, Edward Benjamin (Spec.)	Ill.	LeGates, Eber Thomson (Law 11)	Del.
Larsen, Lillian C. (Col. 69)	Iowa	B.S. 1928, University of Delaware.	
Larson, Gene Maxwell (Jun.)	S.D.	†LeGear, Russell (L.S. 108)	Tex.
Larson, John Davis (Spec.)	Md.	†Legge, Rosalie Bantz (Spec.)	D.C.
Larson, Leslie Leonard (Med. 1)	Pa.	Legris, Charles E. (Spec.)	R.I.
A.B. 1928, University of Illinois.		LeHew, Alma E. (Med. 14)	D.C.
Larson, Vanner T. (Ed. 48)	Me.	A.B. 1928, The George Washington University.	
†Laskin, Frank (Jun.)	D.C.	†Lehman, Paul Henry (Eng. 9)	D.C.
†Lasky, William Albert (Col. 96)	N.C.	Lehman, Walter Sherwood (Eng. 52)	D.C.
†Lassly, Annie Willis (Ed. 70)	D.C.	†Lehr, H. Franklin (Ed.)	Md.
†Latham, Dorothy E. (Ed.)	N.Y.	Lei, Chung Sang (Jun. 14)	D.C.
Lathrop, Edith Anna (L.S.)	Neb.	Leiderman, Samuel Arthur (Phar. 71)	D.C.
Lathrop, John Bouse (Jun. 48)	Va.	Leighey, Marjorie Theodora (Col., A.M.)	D.C.
Latimer, Cecil (Law 1)	Fla.	Leighey, Robert Augustus (Law 111)	Ohio
B.S. 1925, Georgia School of Technology.		LeMenager, Henti Victor (Jun. 42)	D.C.
Latimer, Kathryn (Jun.)	D.C.	LeMenager, Marcelle (Col., A.M. 21)	D.C.
Lauder, Dorothy Marie (Jun.)	D.C.	A.B. 1928, The George Washington University.	
Laurie, Andrew Louis (Med. 11)	N.J.	Lemeshefsky, George Paul (Med. 1)	D.C.
B.S. 1929, Lebanon Valley College.		†Lemon, Edythe Marjorie (Jun.)	D.C.
Lausen, Dorothy Anah (Jun. 18)	D.C.	Lenhoff, Charles David (Jun.)	Mass.
Laugman, Elizabeth Anne (Ed. 65)	D.C.	Lenny, Lewis James (Law 1)	Mass.
Lavine, Estelle Ida (Ed. 78)	D.C.	B.S. 1923, Worcester Polytechnic Institute.	
Lawhorn, Gladys Mason (Ed., A.M. 6)	Md.	†Lennox, Edna (Jun. 50)	D.C.
Ph.B. 1907, Marietta College.		Lennox, Merle Edward (Jun. 18)	Ark.
Lawrence, Claude Thomas (L.S. 64)	D.C.	Leon, Ruth Emily (Jun. 23)	D.C.
†Lawrence, Helen Bennett (Ed. 82)	Conn.	Leonard, Emery Clarence (Grad., Ph.D.)	Md.
Lawrence, Mabel Ellen (Col., A.M. 9)	N.J.	A.B. 1915, Wittenberg College.	
A.B. 1925, Syracuse University.		A.M. 1916, Ohio State University.	
Lawrence, Nellie Margaret (Col. 86)	Ky.	Leonard, Frank Reuben (Jun. 15)	Vt.
†Lawrence, Thomas Linwood (Law Spec.)	D.C.	†Leonard, Frederic B. (Spec.)	Md.
LL.B. 1929, The George Washington University.		Leonard, Genevieve Mannacke (Ed. 87)	Md.
†Lawson, Lena Cooper (L.S., A.M.)	Va.	†Leonhard, Paul Byron (Spec.)	Ind.
A.B. 1924, West Virginia University.		Leonnig, Leo John (Law 1)	Ore.
Lawton, Alethea Helen (Law 11)	D.C.	B.S. 1926, Oregon State Agricultural College.	
Lawton, Warren Leigh (Eng. 28)	D.C.	Lepley, May A. (Grad., Ph.D.)	D.C.
Layton, Mary K. (Jun.)	D.C.	A.B. 1929, A.M. 1930, The George Washington University.	
Layton, Minnie Frances (Spec.)	D.C.	Leppman, Harry (Col. 117)	D.C.
Layton, Norma Dorothy (Jun. 12)	Colo.	†Lepper, Georgia Hummer (Jun. 11)	Md.
Layton, Philip Raymond (Law 11)	Colo.	LeRoy, Claude Arthur (Law 111)	N.Y.
†Leach, Blanche Seagle (Ed.)	D.C.	E.E. 1924, Cornell University.	
†Leaf, Leah Lenore (Jun.)	Md.		
†Leahy, Isabel Cecelia (Spec.)	D.C.		

- †LeRoy, Gustave Leopold (Jun.) D.C.
 Leslie, Christina McNeil (Jun. 15) N.D.
 †Lester, Katherine Ellen (Jun.) D.C.
 †Lester, Gordon Howard (Spec.) D.C.
 Leventhal, Edwin (Jun. 31) D.C.
 Leverton, J. Franklin (Col. 63) D.C.
 Levey, Nathan N. (Spec.) D.C.
 A.B. 1929, The George Washington University.
 Levin, Abram (Jun.) Pa.
 Levin, David (Phar. 33) D.C.
 Levin, Frances (Spec.) D.C.
 Levin, Leon (Law III) N.J.
 A.B. 1928, Lehigh University.
 Levin, Samuel George (Med. II) N.Y.
 A.B. 1929, The George Washington University.
 Levin, Samuel Jacob (Col. 82) D.C.
 Levin, Simon Louis (Phar. 35) D.C.
 Levine, Abraham A. (Col. 86) D.C.
 Levitin, Benjamin (Col. 72) D.C.
 Levy, Harold Allen (Jun. 18) D.C.
 †Levy, Rose (Spec.) D.C.
 Lewallen, Mary Elizabeth (Jun. 18) Va.
 †Lewellyn, Gertrude B. (Jun.) Ark.
 †Lewis, Alexander (Jun. 12) Colo.
 Lewis, Alma G. (Jun.) D.C.
 Lewis, Elmer Wayne (Med. IV) Utah
 B.S. 1927, Brigham Young University.
 Lewis, Hyman Leon (Col. 75) D.C.
 Lewis, Irene (Col. 83) Kan.
 Lewis, Isabell Martin (Spec.) D.C.
 †Lewis, Maxine (F.A. 38) Okla.
 Lewis, Ollie Lee (Eng. 11) D.C.
 Lewis, Thomas Watts (Spec.) D.C.
 Lewis, Samuel D. (Med. IV) N.Y.
 †Lewis, William Alexander, jr. (Col. 88) Kan.
 Lewis, William O. (Eng. 97) Ohio
 †Lewon, Loretta (Jun. 21) D.C.
 Lewton, Rhoda (Jun. 50) Md.
 †Lexen, Bert Richard (Spec.) Ariz.
 B.S. 1924 M.S. 1925, University of Michigan.
 Lichtman, Abraham Paul (Med. III) D.C.
 †Licklider, Sanford Dunaway (Jun.) W.Va.
 †Liddle, Wallace Jorgensen (Eng. 83) Utah
 Liebler, Margaret Antoinette (Jun. 35) D.C.
 Liebman, Deborah Mae (Jun. 32) D.C.
 Liebrecht, Edward Francis, jr. (Law I) D.C.
 B.S. 1930, Virginia Polytechnic Institute.
 Light, Philip Morton (Jun. 30) D.C.
 †Lightfoot, Charles Eastman (Eng. 108) Va.
 Ligon, David Stovall (Col. 67) Va.
 Likens, Miriam Eva (L.S. 90) D.C.
 Lillard, William Watson (Law Uncl.) N.J.
 B.S. 1924, Agricultural and Mechanical College of Texas.
 Lilley, Donald Hurley (Jun. 50) D.C.
 †Lillie, Rupert B. (F.A. 92) D.C.
 Lilly, Jean (Jun. 28) D.C.
 †Lilly, Madaline Carr (Ed.) D.C.
 Limon, Robert (Jun.) Md.
 Linch, Mark Mivison (Col., A.M.) D.C.
 A.B. 1930, The George Washington University.
 †Lincoln, Harold Wayne (Jun.) D.C.
 †Lind, Herbert H. (Spec.) Ohio
 A.B. 1924, Ohio State University.
 †Linden, Bernard Arthur (Col. 6) N.Y.
 Lindquist, Willis John (Law II) Minn.
 †Lindsay, Elizabeth Virginia (Ed. 56) D.C.
 Lindsay, Eloise Virginia (Col. 102) D.C.
 †Lindsay, Margaret Louise (Ed. 50) D.C.
 †Lindsay, Meta R. (Jun. 15) D.C.
 Lindsay, Kirk Edward (Eng. 69) Va.
 †Linebarger, Lillian (Spec.) D.C.
 Lineweaver, Hans (Col., A.M.) W.Va.
 A.B. 1930, The George Washington University.
 Lineweaver, Helen Parrish (Law I) Va.
 †Linfoot, Francis Carter (Ed. 11) D.C.
 Linger, Esther Lucille (F.A. 2) D.C.
 †Linger, Irving Oscar (Eng. 75) D.C.
 Link, Anna Moore (L.S. 69) W.Va.
 Link, Dennis Clemence (Col. 60) S.C.
 Link, Henry William (Col. 80) D.C.
 Link, J. Harold (Eng. 3) Iowa
 Link, John Clarence (Spec.) Iowa
 A.B. 1928, Creighton University.
 Linke, Robert N. (Spec.) Ind.
 Linkins, Louise Kent (Jun.) D.C.
 Linscott, Henry Dallas (Law I) Kan.
 B.S. 1916, Kansas State Agricultural College.
 Linton, Anne Joy (Col. 88) Md.
 Linton, Frank Truman (Med. I) D.C.
 Linville, Pauline Tomlin (Ed. 87) N.Y.
 Lipschitz, Samuel (Med. I) N.Y.
 †Lipscomb, Mary Elizabeth (Jun. 12) Ala.
 Lipscomb, William Robertson (Eng. 18) Va.
 Lipsett, Edward Lewis (Jun. 18) Conn.
 †Lisann, Isaac (Eng.) Pa.
 B.S. 1922, University of Pennsylvania.
 L.L.B. 1926, The George Washington University.
 Listerman, Wayne Lieberth (Law II) Ky.
 A.B. 1928, Miami University.
 Litman, Bessie (Col. 96) D.C.
 Litman, Fannie Edna (Spec.) D.C.
 Littell, Charles Henry (Eng. 70) D.C.
 Litteri, Salvatore Giuseppe (Ed., A.M.) Italy
 A.B. 1929, Catholic University of America.
 Little, Indel Roberts (Jun. 49) D.C.
 Little, Ruth Elizabeth (Ed. 81) D.C.
 Littlehales, George Reber (Law II) D.C.
 B.S. 1923, Princeton University.
 Littlepage, Thomas Price, jr. (Col. 93) D.C.
 †Lively, Lawrence (Eng. 66) Ky.
 Livingston, Lillian Valentine (Col. 64) D.C.
 Lloyd, Fergus Lee (Law II) Miss.
 Lloyd, John Henry (Jun. 35) Pa.
 Loane, Margaret Larcombe (Col., A.M. 6) D.C.
 A.B. 1928, The George Washington University.
 †Lockwood, Corwin R. (Jun. 66) Ohio
 Lockwood, Daniel Hammond (Eng. 127) D.C.
 †Lockwood, Edward J. (Spec.) D.C.
 †Lockwood, Katharine Robb (Law III) D.C.
 Lockwood, Margaret Mary (Ed., A.M.) D.C.
 A.B. 1930, The George Washington University.
 Loftis, J. Wesley (Grad., Ph.D.) Md.
 A.B. 1924, Howard Payne College.
 A.M. 1928, The George Washington University.
 Logan, Kathryn Georgetown (Jun.) D.C.
 Logsdon, DeEarle Monroe (Law II) Ind.
 †Lohman, Philip Hans (Jun.) D.C.
 Lohmann, Elsa (Ed., A.M. 16) D.C.
 A.B. 1927, The George Washington University.
 Lokerson, John Thornton (Eng. 91) D.C.
 Lomas, George Edward (Col. 68) Iowa
 †Lombard, Ellen Celia (Jun. 12) Mass.
 †Lombard, Herman Gerton (Law I) D.C.
 B.S. 1930, University of Maryland.

Students Registered

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Long, Bernard James (Jun. 47)	D.C.	Lyler, George (Govt. 60)	Ill
Long, Edgar Fauver (Ed., Ph.D.)	Md.	Lyle, Firman Powell (Eng. 105)	D.C.
A.B. 1911, Blue Ridge College		Lyles, Ashley W. (Spec.)	D.C.
A.M. 1916, University of Kansas.		Lyman, Josiah (Law 1)	D.C.
Long, Florence (Col., A.M.)	Wash.	Lynch, George Francis (Jun. 18)	Pa.
A.B. 1921, Whitman College.		Lynch, Lucy Greene (Spec.)	D.C.
Long, Florence Adelaide (Jun. 39)	Va.	Lynch, Mary Margaret (Spec.)	Va.
Long, Lanie Magdalene (Nurs. 11)	Md.	Lynch, Raymond Montgomery (Eng. 75)	Va.
Long, Odell Blair (Govt. 6)	N.C.	Lynde, Walter Leland (Spec.)	D.C.
Long, Victoria Morse (Jun. 24)	D.C.	Lynn, Wallace Parsons (F.A. 101)	Md.
Longfellow, Dean Johnson (Jun. 32)	D.C.	Lynsky, Myer (Col., A.M. 3)	Mass.
Longyear, Robert Dudley (Law 11)	D.C.	B.S. 1928, Massachusetts Agricultural College.	
A.B. 1918, Harvard University.		Lyon, Rowland (Col., A.M. 12)	D.C.
Lord, Carolyn Margaret (Col. 87)	D.C.	A.B. 1929, The George Washington University.	
Lord, Clarence Irving (Law 1)	Pa.	Lyon, Sydney Bennett (Eng. 103)	D.C.
Lord, Helen Bertha (Spec.)	D.C.	Lyons, John Leonard (Law 11)	Ga.
A.B. 1928, University of Porto Rico.		A.B. 1925, Emory University	
Lord, Robert Archibald (Col., A.M. 5)	D.C.	Lytle, Margery Alonita (Jun. 24)	Pa.
B.S. 1931, Georgetown University		Lytle, R. Elinor (Spec.)	Pa.
Lore, Elinor Elizabeth (Jun. 18)	D.C.		
Mott, Edith Elisa (Spec.)	N.M.	MacArthur, Leah Emily (Jun.)	D.C.
Louckes, Frank Irwin (Spec.)	D.C.	MacArthur, Ruth Dolores (Ed. 107)	D.C.
Loughlin, Beryl Frances (Col. 118)	D.C.	MacCoy, Edgar Milton, jr. (Jun. 15)	Md.
Louis, Max Colman (Jun. 49)	D.C.	Macdonald, Frances Fulton (Ed. 50)	D.C.
Louraine, Frank Eli (Grad., Ph.D.)	D.C.	MacDonald, Guy Thornton (Jun. 12)	Ala.
A.B. 1924, A.M. 1926, University of Indiana.		MacDonald, John Whitney (Col., A.M.)	R.I.
Love, Albert G. (Jun.)	D.C.	A.B. 1930, Dalhousie University.	
Loveless, Melvin Nathaniel (Phar. 67)	D.C.	Macdonald, Marian Burnette (Jun.)	Tex.
Loveless, Verna Evans (Eng. 97)	D.C.	MacDonald, Thomas Ross (Law 11)	Mass.
Lovell, Jeannette Elizabeth (Ed. 4)	Md.	B.S. 1929, Massachusetts Institute of Technology.	
Lowdon, Graham Norris (Law 11)	D.C.	MacDonald, Verne O. (Col. 63)	Conn.
B.S. 1929, Washington and Lee University.		MacDuff, Gertrude Thiebaud (L.S. 82)	D.C.
Lowe, Charles Samuel (Jun. 56)	W.Va.	MacDuff, Russell Uch (Eng. 63)	D.C.
Lowe, Louella D. (Col. 86)	N.C.	MacFarlane, James Hunter (F.A. 3)	D.C.
Lowe, Robert Chapin (Col. 21)	N.J.	MacGill, Emma Gertrude (Jun. 54)	Md.
Lowell, Elizabeth Buttner (Jun. 57)	D.C.	MacGill, Winfield Scott (Law 11)	Md.
Lowell, May I. (Jun.)	D.C.	B.S. 1928, University of Virginia.	
Lowman, Katherine (Spec.)	D.C.	MacGowan, Josephine Louise (Col. 109)	D.C.
Lowrey, Gladys Tyler (Ed. 16)	D.C.	Machen, Anne Sleman (Jun.)	D.C.
Lowrey, Perrin Holmes (Jun. 49)	Miss.	Machmet, John Henry (Col., A.M.)	Pa.
Lubbe, Herman Otto (F.A.)	D.C.	A.B. 1930, The George Washington University.	
Luber, Harold Edgar (Col., A.M.)	D.C.	Macina, Mary Lucia (Col., A.M. 18)	D.C.
A.B. 1927, The George Washington University.		A.B. 1928, The George Washington University.	
Lucas, Allene Myrtle (Ed. 54)	D.C.	Maciulla, Mary Rosina (Ed. 64)	D.C.
Lucas, Clarence (Spec.)	D.C.	Mackay, James Patrick (Spec.)	D.C.
Lucas, Frank Atkinson (Spec.)	Md.	Mackey, Harry S. (Law 11)	N.Y.
Lucas, Mary Lois (Jun.)	Mo.	E.E. 1929, Cornell University.	
Luce, Charlotte Priscilla (Spec.)	D.C.	MacKnight, Harold Egbert (Jun. 39)	N.Y.
Luce, Clifton Hadley (Law 11)	D.C.	MacLane, Clarke Joseph (Spec.)	Iowa
Luce, Elizabeth Scott (Jun. 56)	D.C.	MacLea, Mary Lee (Spec.)	Md.
Lucker, John T., jr. (Col., M.S.)	Ark.	MacMillan, Alice Marlow (Jun. 28)	Mich.
B.S. 1932, University of Washington.	Ore.	MacMillan, Julia Theckla (Grad.)	D.C.
Ludlow, Louis Leon, jr. (Eng. 132)	Ind.	B.S. 1927, M.S. 1911, The George Washington University.	
Ludlow, Wells Edward (Jun.)	Utah	MacMullan, Charles Francis (Col. 63)	Md.
Ludwig, Laura Emily (Jun. 12)	Md.	MacNeil, Francis Stearns (Jun. 31)	Va.
Luers, Margaret Frances (Jun. 8)	D.C.	Macoughtry, Helen Gertrude (Ed. 63)	D.C.
Luginbuhl, Kathryn Louise (Jun. 21)	D.C.	MacVaugh, Gilbert S. (Col., A.M.)	D.C.
Luke, Harriet Emma (Spec.)	Ohio	A.B. 1930, American University.	
Lum, Marianna (Jun. 3)	D.C.	Madarang, Estanislao Macaraeg (Jun. 6)	P.I.
Lum, Marian Preston (Col. 61)	D.C.	Madden, William J. (Spec.)	D.C.
Lumbard, Ingeborg Helen (Jun.)	D.C.	Madigan, John Thomas (Jun.)	N.Y.
Lund, Phoebe Marion (Col. 82)	D.C.	Madison, James F. (Col. 96)	D.C.
Lundgren, Maynard Benjamin (Col., A.M.)	Okl.	Magarity, Erma Elizabeth (Col. 75)	Va.
A.B. 1929, The George Washington University.	Fla.	Magee, David Richard (Jun.)	N.J.
Lundstrom, Frank Oscar (Grad., Ph.D.)	Colo.	Magee, Lucille D'Arcy (Jun.)	D.C.
A.B. 1921, A.M. 1926, The George Washington University.		Magee, William George (Jun. 44)	D.C.
Lundy, Margaret Julien (Spec.)	D.C.	Maggio, George Anthony (Med. 19)	N.J.
Lutz, Mildred Mattox (Col. 64)	D.C.	A.B. 1928, Columbia University.	

Magleby, Horace W. (Phar. 41)	Utah	†Marsden, M. M. (Ed. 57)	D.C.
Magruder, Eleanor Catharine (Jun. 23)	Md.	†Marsden, Margaret Agnes (Ed., A.M. 19)	W.Va.
Maguire, Bernard James (Eng. 125)	Mo.	A.B. 1923, Trinity College.	
Mahlman, Frederick Henry (F.A. 122)	Neb.	†Marsden, Mary J. (Spec.)	D.C.
Mahoney, Ruth Katherine (Ed. 15)	D.C.	†Marsh, John D. (Jun.)	D.C.
Mahood, Frances Mildred (Col. 84)	Pa.	Marshall, Beatrice Topliff (Jun.)	D.C.
Mahurin, Blanche Virginia (Jun.)	D.C.	†Marshall, Mary Frances (Spec.)	Md.
Maiblow, Charlotte Frances (Jun. 12)	Ohio	A.B. 1928, The George Washington University.	
†Main, Wilma L. (Spec.)	Tex.	Marshall, Miriam Ivy (L.S. 60)	D.C.
Maioian, Jeraldo Ralph, jr. (Phar. 59)	D.C.	Marshall, Murray Linwood (F.A. 115)	Md.
Makari, Oscar Raymond (Jun. 18)	Wyo.	†Marshburn, Herbert E. (Spec.)	S.C.
Makela, Engel K. (Spec.)	D.C.	†Marshburn, Portia Wagar (Spec.)	D.C.
Malampy, Richard Henry (Jun. 43)	W.Va.	Marshman, Esther Weaver (Jun. 39)	N.Y.
†Malley, John Wallace (Law 1)	W.Va.	Martell, Helen Marie Conree (Jun. 54)	D.C.
Graduate, 1927, U.S. Naval Academy.		Martin, Eugene Maurice (Jun. 47)	D.C.
Mallory, Margaret (Spec.)	D.C.	Martin, Francesca Phillips (Col. 95)	D.C.
†Malmberg, Cyrus George (Jun. 25)	Md.	Martin, George Bernard (Law 1)	Kan.
†Malone, Ralph Willoughby (Jun.)	D.C.	†Martin, Grace Weber (Ed. 52)	D.C.
Maloney, Edward Kerwin (Jun.)	Conn.	†Martin, Harold Alton (Law 1)	Wash.
Maloney, Emma Jane (Ed. 121)	D.C.	Martin, Hazel Inez (Nurs. 111)	N.C.
Maloney, John Edward (Jun. 21)	N.Y.	Martin, Henry Stanley (Law 1)	Idaho
Mamari, Tablo Palomer (Jun. 27)	P.I.	Martin, Herbert Lester (Col. 84)	D.C.
†Mamula, Robert Nikolas (Phar. 56)	Pa.	Martin, Janie Baskerville (Col.)	Va.
Manchester, Benjamin (Jun. 36)	D.C.	A.B. 1929, The George Washington University.	
Mandell, Beatrice Audrey (Jun.)	D.C.	Martin, Martha Frances (Jun. 58)	D.C.
Mandy, Arthur Jennings (Jun. 16)	D.C.	Martin, Maryon Elloise (Jun.)	D.C.
Mandy, Theodore Edward (Med. 1)	D.C.	Martin, M. Lucile (Jun. 27)	Ill.
Mangawang, Valentin Rullan (Jun. 15)	D.C.	Martin, Ovid Harold (Jun. 15)	Okl.
Mangione, Anthony Joseph (Col. 75)	Pa.	Martin, Robert Fitz-Randolph (Grad., Ph.D.)	Md.
†Mangum, Lillian Gertrude (Spec.)	D.C.	B.S. 1923, Massachusetts Agricultural College.	
Manian, Joseph Charles (Law 111)	D.C.	†Martin, Robert J. (Jun.)	D.C.
B.S. 1926, Massachusetts Institute of Technology.		Martin, Wilbur Wynn (Med. 1v)	D.C.
Manion, Esther Ann (Col., A.M. 16)	D.C.	Martin, Willard Talbot (Jun.)	Ohio
A.B. 1928, The George Washington University.		†Martin, William Thomas (Law 1)	Va.
Manly, Wanda Tull (Jun. 6)	Va.	†Martinez, Jose Balanor (Col., A.M. 3)	P.J.
Manna, Harvey Wade (Jun.)	D.C.	A.B. 1930, The George Washington University.	
Mann, James DeValse (Law 11)	Ala.	Martinez, Ruth Phillips (Ed., A.M.)	Md.
A.B. 1928, Birmingham Southern College.		A.B. 1921, The George Washington University.	
†Mann, Mary Lou (Jun. 27)	Va.	Martone, Edward Jay (Med. 1v)	N.Y.
Mann, Wilson Kenneth (Jun.)	Mo.	Maser, Gertrude (Spec.)	D.C.
Manners, Virginia Dana (Ed. 50)	D.C.	Mashburn, Louise Revere (L.S.)	N.C.
Manning, Alice Grace (Spec.)	D.C.	Masino, Frank (Phar. 72)	D.C.
†Manning, Helen Louise (Govt. 64)	D.C.	Mason, Chlorus Kunkleman (Ed. 130)	D.C.
Manning, Rosalie (Col. 106)	Md.	Mason, Elizabeth Arenz (Jun. 18)	Md.
Manship, Frances Petty (Spec.)	D.C.	†Mason, E. Wellford (Eng. 139)	D.C.
Manship, Winfield Scott (Law 111)	Conn.	Mason, Jack Wellons (Jun. 57)	Ill.
A.B. 1886, Wesleyan University.		Mason, John Thomas, jr. (Col. 64)	Va.
B.D. 1889; Ph.D. 1901, Yale University.		Mason, Martin Alexander (Eng. 110)	D.C.
Mantell, Leon Michael (Law 11)	N.Y.	Mason, Robert French (Col.)	Idaho
†Manville, William W. (Jun.)	D.C.	†Mason, Walter Ballard (Col. 53)	Md.
Marano, Frank Peter, II (Col. 62)	N.J.	Mason, William Reading (Jun. 42)	Vt.
Marche, Esther Marie (Jun. 23)	Md.	Massoletti, Lillie (Jun. 10)	D.C.
Marco, Joseph (Med. 11)	Ohio	Masson, Helen Burd (Col., A.M.)	
B.S. 1929, Kenyon College.		A.B. 1929, The George Washington University.	D.C.
Marchal, Elisabeth Eugenie (Col. 64)	D.C.	Masson, Mary Graham (Col., A.M.)	
†Marenberg, Philip Paul (Col., A.M.)	N.Y.	A.B. 1928, The George Washington University.	
B.S. 1910, New York University.		Mastellari, Amadeo Vincent (Med. 1v)	Panama
Marion, Ben C. (Jun. 9)	Minn.	Matheson, Harry (Jun.)	D.C.
Mark, Benjamin Ralph (Col. 57)	D.C.	Mathews, Joseph Anthony (Grad., Ph.D.)	D.C.
Marks, Florence Pool (Ed. 78)	Wash.	A.B. 1926, Regis College.	
†Marks, Marion (Col. 62)	Iowa	M.S. 1927, Holy Cross College.	D.C.
Marks, Mary Jane (Jun.)	Okl.	†Mathews, Minnie Healey (Ed. 48)	Ga.
Marks, Richard Callison (Govt. 55)	Wash.	†Mathis, Mary Rutherford (Col. 115)	D.C.
Markwell, Katherine (Spec.)	Kan.	Matson, Frederic Church (Law 1)	
Markwood, Ruth (Col. 95)	D.C.	E.E. 1929, Lehigh University.	
Marlow, Clarence Edward (Jun. 21)	Md.		
Marquez, Francisco A (Med. 111)	P.R.		
A.B. 1929, The George Washington University.			
Marquis, Roger Phillips (Jun. 36)	D.C.		
†Marron, Eleanor Louise (Jun. 57)	D.C.		

Students Registered

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Matres, Richard Lee (Eng. 102)	Ill.	McCarthy, Thomas Augustine (Ed. A.M. 5)	D.C.
Matteson, Frederick Lewis, jr. (Law 11)	Ind.	A.B. 1930, The George Washington University.	
B.S. in C.E. 1925, Rose Polytechnic Institute.		*McCauley, Alice Olivia (Ed. 126)	D.C.
Matthews, Annie Marguerite (Spec.)	D.C.	McCansland, Mary Littleton (Ed. 4)	D.C.
Matthews, Edna (Ed. 106)	Md.	McClellan, Henry Leatis (Col. 107)	Ind.
Matthews, Ernestine (Spec.)	D.C.	McClellan, Sidney (Law 11)	Idaho
Matthews, Jason Ernest, jr. (Eng. 12)	Fla.	A.B. 1927, University of Idaho.	
Matthews, Shaw Hall (F.A. 67)	Ga.	McClelland, Casper Shepard (Law 11)	Pa.
Mattingly, Mary Alice (Law Uncl.)	D.C.	McClelland, Mildred Scott (Jun. 54)	Ohio
A.B. 1920, The George Washington University.		McClelland, Thaddeus Smith (F.A., M.F.A.)	Ohio
Mattingly, Richard Vinton (Med. 14)	D.C.	B.S. 1925, The George Washington University.	
L.L.B. 1919; L.L.M. 1921; M.P.L. 1921, Georgetown University.		McCloud, Walter Donald (Law 1)	Ohio
A.B. 1928, The George Washington University.		B.S. 1928, Ohio State University.	
Mattson, Carvel (Law 11)	Utah	†McColloch, Lacy Porter (Spec.)	Ark.
B.S. 1928, University of Utah.		McCollum, Andrew James (Jun. 6)	D.C.
Manger, Vera Louise (Jun. 18)	D.C.	McCollum, Lloyd (Law 1)	Me.
Maurer, Robert A., jr. (Govt. 61)	D.C.	B.S. 1930, University of Maine.	
Maurer, Robert John (Jun.)	Ohio	McConnell, Katharine (Jun.)	D.C.
†Maxson, Ruth Harper (Spec.)	Md.	McConnell, William Sheldon (Jun.)	Ind.
Maxwell, Margaret Jane (Jun. 1)	D.C.	†McCormick, Maude B. (Spec.)	Md.
Maxwell, Wilma Frances (Jun. 6)	Ohio	McCormick, Robert Knight (Jun.)	Md.
†May, Emily Margaret (Jun. 6)	D.C.	McCormack, Willard Foote (Col., A.M. 21)	Vt.
†May, James Truett (Law 1)	Tex.	B.S. 1925, Massachusetts Institute of Technology.	
May, John Booker III (F.A.)	D.C.	McCoy, Clinton Wade (Jun.)	Kan.
May, Joseph Herbert (Jun. 16)	Idaho	McCoy, Edith Levanda (Col. 64)	D.C.
May, Lillian Virginia (Jun. 29)	D.C.	McCoy, John M. (Col., A.M. 10)	Kan.
May, Mary Frances (Col. 98)	D.C.	B.S. 1927, Kansas State Agricultural College.	
May, Salda Anne (Jun.)	D.C.	†McCoy, Joseph (Spec.)	D.C.
†May, Stanley George (Jun. 18)	D.C.	McCoy, Ralph Richard (Jun. 18)	Ind.
May, Wilbert Richard (Jun. 44)	D.C.	McCraty, Anna Montgomery (Col., A.M.)	Va.
May, William Pickford (Col. 76)	D.C.	A.B. 1927, University of Toronto.	
†Mayberry, Bernard C. (Law 1)	Ill.	McCraty, Arthur John (Jun. 25)	Iowa
Maycock, Richard Walden (Jun. 30)	Wash.	McCullough, Annabelle (Jun. 28)	D.C.
Mayhall, Virginia Palmer (Jun.)	Ind.	†McCusker, James Joseph (Col., A.M. 12)	D.C.
Mayo, Alice Middleton (Col. 95)	D.C.	A.B. 1927, LaSalle College.	
Maya, Margaret (Jun. 40)	D.C.	†McDaniel, Charles B. (Spec.)	D.C.
†McAdam, Edward L., jr. (Spec.)	D.C.	†McDonald, Emma J. (Spec.)	D.C.
McAlister, Frank Dicken (Col.)	Ark.	†McDonald, Lula Buech (Jun.)	Ark.
A.B. 1928, Arkansas State Teachers' College.		McDonald, Michael Joseph, jr. (Law 1)	Mass.
McArthur, Charles Robert (Law 1)	Ark.	McDougle, Leonidas Irving, jr. (Col. 65)	D.C.
A.B. 1920, University of Arkansas.		McDougal, Warren Vincent (F.A. 117)	D.C.
McAuliffe, Alice Davida (Col. 68)	D.C.	McDowell, Paul Frank (Jun.)	Va.
McBee, James Walford (Jun.)	Ky.	†McDowell, Samuel, jr. (Spec.)	Va.
McBride, Adalene Pittman (Spec.)	D.C.	McEldowney, Grace Cornelia (Law 11)	D.C.
McBride, Aline Virginia (Jun. 18)	D.C.	A.B. 1918, Smith College.	
McBride, Mildred Maude (Spec.)	Neb.	McElroy, Mary B. (Spec.)	D.C.
McBroom, Walter Scott (Law Uncl.)	D.C.	McElroy, Sarah E. (Jun. 3)	D.C.
B.S. 1926, The George Washington University.		McGann, Burton Allen (Law 11)	D.C.
L.L.B. 1929, Harvard Law School.		A.B. 1929, University of Maryland.	
McCaffrey, Elva (Spec.)	Minn.	†McGann, Robert Reeves (Jun.)	D.C.
McCain, Asa Madison (Jun. 25)	Ark.	†McGarry, Elizabeth Kathryn (Spec.)	D.C.
McCain, James Gordon (Jun. 31)	D.C.	†McGarvey, Sara Agnes (Spec.)	Pa.
McCain, Lucile (Col., A.M. 32)	S.D.	McGaughey, Carl W. (Spec.)	D.C.
B.S. 1927, South Dakota State College.		McGee, Florence M. (Law 1)	N.Y.
McCall, M. Pearl (Spec.)	D.C.	A.B. 1928, The George Washington University.	
McCall, Mary E. (Jun.)	Mont.	†McGinness, Alton White (Eng. 56)	Va.
McCallig, Virginia Hutton (L.S. 6)	D.C.	†McGowan, Elizabeth Hart (Jun.)	D.C.
McCallum, Katherine Elizabeth (Ed. 60)	N.C.	McGrath, Cecelia Thomasine (Spec.)	Mo.
McCandless, David Alexander, jr. (Law 11)	Ky.	†McGrath, J. Mansford (Spec.)	D.C.
McCandlish, Robert John, jr. (Law 1)	Md.	†McGraw, Lucy Virginia (Jun. 23)	Md.
A.B. 1930, University of Maryland.		McGraw, Myrtilla Herrick (Col. 110)	Md.
McCann, Donald Herbert (Law 1)	Me.	McGraw, Willard Graves (Jun. 19)	Md.
B.S. 1910, The Citadel.	S.C.	McGreevy, Joan Frances (Med. 14)	D.C.
		McGregor, Daniel Pamawaho (Law 11)	Hawaii
		McGregor, Jean (Ed. 86)	D.C.
		McGregor, Malcolm Parker (Col. 97)	La.
		McGraw, Irvin (Col. 109)	D.C.

McGrew, Steele (Jun. 57)	Tenn.	McQueen, Thomas Warren, Jr. (Col. 64)	D.C.
†McHugh, Anna Lourance (Spec.)	D.C.	McKae, Douglas George Wallis	Canada
McHugh, James Morris (F.A. 87)	Va.	(F.A., M.F.A.)	
McIlhenny, James Hervey (Jun. 52)	Pa.	B. Arch. 1930, University of Toronto.	D.C.
McIlroy, Curtis Hayes (Jun.)	Pa.	McWhorter, Julian Howard (Eng. 36)	Ind.
McIntosh, Donald Pierce (Col. 59)	Kan.	†McVey, John M. (Jun. 27)	D.C.
McIntosh, Lucy Elaine (Jun.)	Va.	Mealy, Raymond James (Jun. 24)	D.C.
†McIntosh, Serena Mary (Ed., A.M. 1)	D.C.	†Mecum, Morton E. (Jun. 18)	Ill.
A.B. 1922, Colorado College.		Medill, Thomas James, Jr. (Law 1)	Va.
†McIntyre, Bessie (Spec.)	Fla.	Meeds, Lloyd Tindall (Eng. 5)	Md.
A.B. 1929, The George Washington		Meeds, William Pusey (Eng. 15)	D.C.
University.		†Meek, Donald Pierce (Spec.)	D.C.
McIntyre, William Mullins (Jun. 91)	D.C.	Meenehan, Marie (Jun. 13)	Kan.
†McKavitt, Matthew A. (Col. 78)	Ill.	†Meigs, Carroll M. (F.A. 99)	Ort.
McKay, Alice Josephine (Col. 96)	D.C.	Meindl, Gerald James (Law 11)	
McKay, David Lawrence (Law 11)	Utah	B.S. 1929, University of Oregon.	D.C.
A.B. 1926, University of Utah.		Meira, Lois Howell (Ed. 71)	D.C.
†McKeon, Ann B. (Ed.)	Neb.	Mejia, Raymond (Med. 111)	Ten.
A.B. 1920, Thaddeus Nebraska Teachers'		Melcer, Harry Irwin (Govt. 65)	N.J.
College.		Melich, Edward Idel (Med. 111)	
A.M. 1921, Columbia University		A.B. 1929, The George Washington	
†McKee, Edgar W. (Jun.)	D.C.	University.	D.C.
McKee, Theodore Roosevelt (Eng. 26)	D.C.	†Melick, Edith M. (Spec.)	N.D.
†McKenzie, Alfred John (Jun.)	D.C.	Melville, H. Arlo (Law 11)	
McKenzie, Gibson Edward (Eng.)	D.C.	B.S. 1926, University of North Dakota	D.C.
McKenzie, Lawson Mervell (Jun.)	D.C.	Mendelsohn, Israel Mordecai (Phar. 23)	D.C.
McKenzie, Ruth Harsha (Col. 115)	D.C.	Mendelsohn, Matthew (Med. 111)	
McKeon, Anne Gertrude (Jun. 63)	D.C.	A.B. 1920, The George Washington	Va.
McKinney, Anna Savilla (Ed. 108)	D.C.	University.	Ind.
McKinney, Robert Stevenson (Grad.)	Ohio	Mendelson, Frieda (Spec.)	D.C.
B.S. in Ch.E. 1920, University of		*Mendenhall, Paul (Law 111)	D.C.
Cincinnati.		Mendez, Angel M. (Col. 78)	D.C.
M.S. 1918, The George Washington		Menefee, Jane Page (Jun. 31)	Pa.
University.		Menham, George Stanley Kemp (Med. 11)	Nev.
McKirdy, Richard Laurence (Jun.)	D.C.	B.S. 1929, University of Pittsburgh.	D.C.
McKnew, Raymond George (Jun.)	Md.	Menke, Blaine Herman (Col. 3)	D.C.
McKnight, Charles Maurion (Law 1)	Okla.	Mennen, Frank Oswald (Col. 86)	Conn.
B.S. in M.E. 1929, Purdue University.		Mensch, Sidney (Jun.)	D.C.
McKnight, Morwyn Newell (Eng. 24)	Va.	Meo, Richard Carl (Med. 1)	D.C.
†McLaughlin, Hannah Cyrella (Jun. 28)	D.C.	Mercier, Alfred Albert (Col. 97)	D.C.
McLendon, Cecil Harold (F.A. 34)	D.C.	Mercier, Hazel Bowser (Spec.)	
McMahon, Margaret Helen (Jun. 6)	Conn.	Merdian, Bertha (Col. 105)	D.C.
McMillan, Hugh Charles (Govt. 60)	Mich.	Meredith, Richard Hamilton, Jr.	D.C.
†McMillen, Robert Nelson (Jun.)	Md.	(Col. 70)	D.C.
McMillin, Irene Odessa (Jun. 6)	Iowa	Meredith, Trenton (Spec.)	N.J.
†McMillin, Raymond Howard (Jun.)	Wash.	Mermel, Thaddeus Walter (Eng.)	
†McMullan, Albert Volpe (Jun. 5)	Mass.	Mermelstein, Milton Emanuel (Law 111)	
†McMullen, Francis Bruce (Spec.)	Md.	A.B. 1930, The George Washington	D.C.
McMurray, Paul Hayda (Col. 92)	Tex.	University.	
McNallen, Wilbur Thomas (Eng. 41)	Minn.	Merritt, Ella Arvilla (Law 111)	
McNally, Edmund Houston (Col., M.S.)	D.C.	A.B. 1903; A.M. 1905, The George	Mo.
B.S. 1910, The George Washington		Washington University.	D.C.
University.		Merritt, Fannie Fern (Jun. 42)	Va.
McNary, Mary Helen (Ed. 78)	Md.	Merryman, Philip Ivan (Eng.)	D.C.
McNeely, John Hamilton (Col., A.M. 1)	D.C.	Mesa, Anna Agnes (Jun. 26)	D.C.
A.B. 1920, The George Washington		Metro, Elizabeth Judith (Spec.)	Pa.
University.		Metro, Francis Greenberry (Col. 79)	Ill.
McNeill, Caroline Lee (F.A. 36)	D.C.	Meyer, Arthur J. (Jun. 9)	Md.
McNeill, George Hamilton (Law 11)	D.C.	Meyer, Ralph Griffith (Law 1)	D.C.
A.B. 1920, Wake Forest College.		†Meyers, Clara Belle (Spec.)	
†McNooney, Anne (Jun.)	Ark.	Mozitis, Felo (Med. 14)	
McNich, Alvin G. (Col., M.S. 38)	Md.	A.B. 1928, The George Washington	D.C.
McNitt, Agnes Louise (Jun. 39)	D.C.	University.	N.Y.
†McOstar, Paul Joseph (Jun. 34)	Ohio	†Michael, James Roy (Eng.)	D.C.
McPeak, William Wallace (Govt. 56)	D.C.	†Michelson, Irving (Jun.)	N.C.
McPherson, Perry Martin (Jun.)	D.C.	†Mickey, Robert Lane (Spec.)	D.C.
McPherson, Albert Eugene (Eng. 86)	D.C.	Mickey, Ruby Victoria (Nurs. 1)	D.C.
McPherson, David Connell (Jun.)	Md.	Middleman, Elizabeth (Jun.)	Ark.
†McPherson, Julia Virginia (Jun. 15)	D.C.	Middleton, Helen Clark (Jun. 22)	D.C.
McQuarrie, Irwin Bruce (Jun.)	D.C.	Mike, Louis (Jun. 30)	
McQuinn, James Milton, Jr. (Eng. 78)	D.C.	Milana, Robert Southard (Law 2)	
†McQueen, Mary M. (Jun.)	D.C.	E.E. 1929, Cornell University.	

Students Registered

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Milburn, Frances Margaret (Col., A.M.) A.B. 1929, The George Washington University.	Md.	Miller, Samuel Joseph (Jun.)	D.C.
†Miles, Edward Michael (Col.) B.S. in E.E. 1930, University of Washington.	D.C.	Miller, Saul Martin (Med. 14) A.B. 1927, Cornell University.	N.Y.
†Miles, Herbert Richardson, jr. (Spec.)	D.C.	Miller, Walter M. (Ed. 92)	Md.
Miles, Jeanne Patterson (F.A. 101)	D.C.	Miller, William Sterling (Med. 11)	Va.
Miles, Verlin Estelle (Med. 11)	D.C.	†Millican, Nora Weir (Spec.)	D.C.
A.B. 1930, The George Washington University.	Va.	Miligan, Vincent Bartlett (Law 1) B.M.E. 1912, University of Kentucky.	Ky.
*Milkie, Mary Helen (Col. 126)	D.C.	Miliken, Kenneth Augustus (Jun. 30)	Me.
Milten, Samuel Robert (Jun.)	Coun.	†Miliken, Rhoda Jameson (Spec.)	D.C.
Miller, Albert A. (Eng. 11)	Md.	A.B. 1918, Barnard College.	
Miller, Angie (Spec.)	D.C.	Mills, Carrol Vandaveer (Law 2)	Ill.
Miller, Anna L. (Ed. 73)	Coun.	B.S. in C.E. 1930, University of Illinois	Ill.
Miller, Beatrice R. (Jun. 41)	D.C.	Mills, Phyllis Dorothy (Jun. 43)	D.C.
Miller, Bennett Goodyear (Law 1)	Pa.	Mills, Sarah Louise (Jun. 24)	D.C.
Miller, Beveridge (Med. 14)	D.C.	Mills, Virginia Wall (Jun.)	Me.
A.B. 1927, The George Washington University.		Mills, William Barker (Law 1)	Calif.
Miller, Bruce Ervin (Law 11)	Ohio	Milmore, Oswald Herman (Law 1)	
Miller, Cearcy Dillon (Eng. 8)	Va.	B.S. 1929, University of California.	Va.
Miller, Charles Herbert (L.S. 13)	Va.	Miltenberger, Fred Emile (Eng. 31)	D.C.
A.B. 1924, Ursinus College.	Pa.	†Miltner, Margaret Elizabeth (Ed. 24)	D.C.
Miller, Charles Lindsay (Spec.)	Va.	Milwit, Daniel (Jun.)	N.Y.
Miller, Charles Wayne (Jun. 24)	Pa.	Mina, Vincent (Jun. 54)	D.C.
Miller, Charlotte Hayes (Col., A.M. 16)	Pa.	Mindlin, Lillian (Jun. 3)	D.C.
B.S. 1915, University of Pittsburgh.	Conn.	Minkin, Sophie Dorothy (Jun. 25)	D.C.
Miller, David (Grad., Ph.D.)		Minno, Alfred Hamilton (F.A. 81)	D.C.
B.S. 1926, Trinity College.		†Mino, Joseph T. (Col., A.M.)	Wis.
A.M. 1927, Columbia University.		B.S. 1927, State College of Washington	Ind.
Miller, David Archibald (Jun. 22)	Pa.	Minor, Aubrey Taylor (Jun. 21)	D.C.
Miller, Dorothy Adaline (Ed.)	Md.	Minor, Francis Ward (Jun. 18)	Mass.
Miller, Dorothy Gertrude (Col., A.M.)	Ill.	Minik, Morris Louis (F.A. 33)	N.Y.
A.B. 1930, University of Illinois.		Minsky, Arthur (Med. 1)	
†Miller, Dorothy J. (Ed. 99)	D.C.	A.B. 1930, The George Washington University.	
Miller, Emory Neale (Jun.)	D.C.	†Minster, Daniel M. (Spec.)	D.C.
Miller, Florence (Jun. 31)	D.C.	†Minter, Evelyn Thorp (Spec.)	D.C.
Miller, Florian George (Law 11)	D.C.	Mintz, Seymour (Jun. 30)	D.C.
B.S. in M.E. 1929, University of Michigan.	Pa.	Mira, Anthony Agathon (Med. 11)	N.Y.
†Miller, Francis F. (Spec.)	D.C.	B.S. 1929, College of the City of New York.	
Miller, Frank W. (Govt. 90)	Md.	Mish, Kemp Hammond (Med. 19)	D.C.
Miller, Gladys G. (Ed.)	Ohio	†Mishon, Frank Henry (Ed., A.M.)	Me.
Miller, Herman Russell (Eng.)	Pa.	A.B. 1930, Columbia University.	
A.B. 1929, Juniata College.	N.J.	Mitchell, Arthur Vernon (Law 1)	Mass.
Miller, Jay Howard (Col. 100)	D.C.	Mitchell, Blanche Sarah (Jun. 6)	D.C.
Miller, John Charles (Grad., Ph.D.)		†Mitchell, Charles H. (Jun.)	Iowa
B.S. 1916, Missouri School of Mines.		Mitchell, Edythe Alynne (F.A. 30)	D.C.
A.M. 1928, The George Washington University.		Mitchell, Emile Floyd (Col., A.M.)	Md.
†Miller, Kathryn Elizabeth (Jun.)	D.C.	A.B. 1930, The George Washington University.	
Miller, Lambert H. (Col. 94)	S.D.	Mitchell, Helen Blanche (Jun.)	D.C.
Miller, Leland Wilbur (Eng.)	D.C.	†Mitchell, Herbert F. (Jun.)	Md.
Miller, Lloyd Otto (Jun. 24)	D.C.	Mitchell, James Marlack (Col. 76)	D.C.
Miller, Luther Ward (Jun.)	Md.	†Mitchell, Margaret Elizabeth (Col. 001)	D.C.
Miller, Mary Catharine (Ed. 119)	Va.	Mitchell, Marjorie Lorraine (Jun.)	D.C.
Miller, Mary Seales (Col., A.M.)	D.C.	†Mitchell, Peter J. (Col.)	Iowa
A.B. 1917, University of North Carolina.	N.J.	A.B. 1930, The George Washington University.	
Miller, Nathan (Med. 11)		Mitchell, William Doane (Spec.)	N.D.
A.B. 1930, The George Washington University.		Mitchell, Thomas Warner, jr. (Eng. 57)	Md.
†Miller, Nerra Gallagher (Spec.)	D.C.	†Mitchell, Virginia Rodier (L.S. 99)	D.C.
Miller, Pearl Mae (Jun.)	D.C.	Mitchell, Warren Clements (Spec.)	D.C.
Miller, Ray (Jun. 31)	Md.	†Mitchell, William Hayes (Law 1)	N.C.
Miller, Robert Loren (F.A.)	Ohio	A.B. 1927, Duke University.	
Miller, Robert Saunders (Law 11)	D.C.	†Mitchener, Janie Arcott (Jun. 21)	D.C.
A.B. 1928, University of Michigan.		Mirman, Harry Anson (Law 111)	Pa.
Miller, Roman R. (Col., A.M.)	D.C.	Ch.E. 1924, Lehigh University.	
A.B. 1929, Marietta College.		Mitrani, Jacques Henri (Med. 11)	N.Y.
Miller, Ruth Palmer (Jun. 20)	D.C.	Moats, John S. (L.S.)	Ill.
		B.S. 1928, Washington University.	
		Moats, Paul L. (Eng. 40)	Md.
		Moehring, Alma Louise (Nurs. 1)	D.C.

Mogerman, William David (Col., A.M.)	D.C.	†Moreland, Raymond Eugene (Spec.)	Md.
A.B. 1929, University of Maryland.		†Morfesi, Louisa Elizabeth (Eng. 62)	D.C.
Mohagen, Verna Clarice (Jun. 38)	N.D.	†Morgali, Milford Ralph (Law 1)	Nev.
Mohler, Helen Lois (L.S. 60)	Ohio	Morgan, Allan Vincent (Med. 11)	Pa.
Mohr, Charles Franklin (Med. 19)	R.I.	B.S. 1929, University of Pittsburgh.	
Mollica, John Joseph (Med. 19)	N.Y.	Morgan, Charles William (Jun.)	D.C.
B.S. 1927, Fordham University.		†Morgan, Mabel Faud (Spec.)	D.C.
Molster, Jean Lawson (Ed. 71)	D.C.	Morgan, Norman Dale (Jun. 12)	D.C.
†Molyneaux, Ruth King (Spec.)	D.C.	Morgan, Prentice Glass (Col. 83)	N.Y.
Monachino, Rose Frances (Col. 90)	Pa.	Morgan, Robert Eltonzo (Eng.)	D.C.
†Monaghan, Joseph Cornelius (Col. 94)	Pa.	Morgenstein, Alvin (Phar. 71)	D.C.
Moncure, Jack Ashby (Law Spec.)	D.C.	†Morian, Waldo Emerson (Spec.)	Tenn.
†Moncure, Robert Clarke (Jun. 56)	D.C.	Morlan, Wilson Jesse (Jun. 29)	Ohio
Monesmith, Erma Walker (Ed. 41)	D.C.	Morrill, Giles Oliver (Jun. 9)	Wash.
Money, Mabel Evelyn (Jun.)	Va.	Morris, Anna Lucille (Jun. 45)	Md.
Mong, Clair Burkner (Law 111)	Pa.	Morris, Carmen Constance (Col.)	D.C.
†Monk, Margaret (Spec.)	D.C.	†Morris, David William (Eng.)	D.C.
A.B. 1910, The George Washington		Morris Eleanor Virginia (Jun. 32)	Md.
University.		Morris, Henry McAllen (Law 1)	D.C.
Monia, Frances (F.A. 18)	N.Y.	A.B. 1921, Davidson College.	
†Monleon, Peter Olmedo (Ed., Ph.D.)	D.C.	A.M. 1929, The George Washington	
A.B. 1911, St. Francis Xavier College.		University.	
A.M. 1926, Catholic University.		Morris, Herman Jackson (Col. 63)	Okla.
Monroe, Eva Lillian (Spec.)	N.Y.	†Morris, Hilma Maria (Ed. 64)	Md.
Monroe, Helen Elizabeth (Jun. 27)	D.C.	Morris, John Carless (Law 11)	N.Y.
Monroe, Mildred (Ed., A.M. 16)	Va.	E.E. 1926, Cornell University.	
A.B. 1920, The George Washington		Morris, John Joseph (Law 1)	Va.
University.		B.S. in Ed. 1928, University of Virginia.	Ark.
Monroe, Millard William (Jun.)	Del.	Morris, Laura Belle (Jun. 21)	Urah
Monson, Charles, jr. (Jun.)	Calif.	Morris, Lynn Barrett (Law 1)	Ky.
Montgomery, Marjorie Lawton (Jun.)	D.C.	Morris, Margaret Jane (Jun.)	Idaho
Moody, William Robert (Grad., Ph.D.)	Md.	Morris, Rayson Pasco (Law 11)	
A.B. 1924, Hampden Sidney College.		B.S. in E.E. 1928, University of Idaho.	D.C.
Moomaw, Grace Norris (Jun. 18)	Md.	Morris, Sara Roberra (Ed. 70)	Pa.
†Mooney, Brian Gaut (Spec.)	Fla.	Morris, Walter Newth (Law 11)	D.C.
Mooney, Eire A. (Col. 79)	D.C.	†Morris, William Jacob (Eng. 45)	D.C.
Moore, Adam Howard (Col., A.M. 6)	Tenn.	Morrison, Alice Skillman (Spec.)	D.C.
B.S. 1926, University of Chattanooga.		Morrow, Elizabeth Catherine (Ed. 96)	Vt.
Moore, Bessie Boynton (Jun. 6)	N.Y.	Morse, Excellenza Leah (Law 111)	
Moore, Clara Walheim (Spec.)	Idaho	A.B. 1929, University of Vermont.	
B.S. 1912, Oregon State College.		B.S. 1922; M.S. 1923 Massachusetts	
Moore, Daisy R. (Spec.)	Kan.	Institute of Technology.	D.C.
Moore, Esther Whitman (Spec.)	D.C.	†Morse, Frances (Spec.)	D.C.
Moore, Evelyn Waters (Ed. 51)	D.C.	†Morse, A. Patricia (Spec.)	
†Moore, James Donald (Jun.)	Va.	A.B. 1917, Wellesley College.	D.C.
†Moore, Johnnie Vaughn, Mrs. (Spec.)	Ala.	†Morton, Conrad Vernon (Spec.)	Mass.
B.S. Ed. 1924, University of Alabama.		Morton, John (Law 1)	Fla.
†Moore, Louise M. (Col., A.M.)	D.C.	Moseley, Elizabeth Gordon (L.S.)	Md.
A.B. 1926, The George Washington		Moseman, John William (Spec.)	D.C.
University.		Moser, Karl Jones (Col., A.M. 24)	
Moore, Margaret (Ed., A.M. 6)	D.C.	B.S. 1925, Central Missouri State	
A.B. 1920, The George Washington		Teachers' College.	
University.		Moses, Arthur McKnight (Col. 70)	D.C.
Moore, Margaret Thomas (Col. 118)	Va.	Moses, Marywade (Jun.)	D.C.
†Moore, Martha Evelyn (Jun.)	Tenn.	†Moskey, George A. (Spec.)	Kan.
†Moore, Mary Kathryn (Spec.)	D.C.	†Mosley, Vernon Millard (Spec.)	D.C.
Moore, Mildred Josephine (L.S.)	Va.	Moss, Miriam Edith (F.A. 66)	D.C.
A.B. 1920; A.M. 1929, The George		Moss, Samuel Alfred (Jun. 11)	Tenn.
Washington University.		Mottern, Hugh H. (Col., A.M.)	
Moore, Nellie Taylor (Nurs. 11)	Va.	B.S. 1926, University of Tennessee.	Ind.
Moore, Robert Woodward (Eng. 94)	Md.	Moudy, Elinor Bernice (Col. 98)	Md.
†Moore, Sara Elizabeth (Jun. 9)	D.C.	Moulton, Philip (Jun.)	Calif.
†Moore, Susan Doyle (Spec.)	D.C.	Moultrie, Eulycie (Spec.)	
†Moore, Susanne Adamson (Jun. 4)	Md.	A.B. 1927, University of California.	Mass.
Moore, Virginia Lee (Jun. 12)	D.C.	†Moy, Samuel Orme (Law 1)	
†Moore, W. Bion (Spec.)	Okla.	M.E. 1930, Rensselaer Polytechnic	Pa.
Moorea, Donald Walter (Jun. 23)	Mass.	Institute.	D.C.
Moorhead, Gertrude Elizabeth (Col. 75)	D.C.	Moyer, Adelmia Irene (Spec.)	W.Va.
Moorhead, Margaret Eleanora (Jun.)	D.C.	†Moyer, Andrew J. (Spec.)	D.C.
†Moorman, Marjorie Nurren (Jun. 27)	D.C.	†Moyers, Kennie Allen (Spec.)	D.C.
Moreland, Margaret Kennedy (Col., A.M.)	D.C.	Mueller, Frank Robert (Spec.)	Md.
A.B. 1929, The George Washington		Mueller, Walter Philip (Eng. 12)	
University.		Mueller, Werner Arthur (Spec.)	
		Muir, Joseph Johnstone (Law 111)	

Students Registered

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Mulford, Hunter Pope (Jun. 14)	D.C.	Mustaparta, Helvi (Jun. 6)	S.D.
Mulford, Kenneth Eugene (Law 1)	Md	Mutchler, Willard Hammond (Col. A.M.)	D.C.
B.S. in E.E. 1929, The George Washington University.		B.S. 1930, The George Washington University.	
†Mulhall, Rosemary (Spec.)	D.C.	Muth, George Edward (Law 1)	D.C.
Mulhern, Willis Henry (Med. III)	Pa.	Muth, Raymond Francis (Eng.)	D.C.
Mullolland, Elizabeth (Ed. 71)	Pa.	Myers, Cornelia Henkel (Col. 112)	Va.
Mullaly, Charles Francis (Jun. 33)	D.C.	Myers, Gertrude (Jun. 51)	D.C.
†Mullarky, Joseph August (Spec.)	Ga.	Myers, Marion Elliot (Eng. 16)	D.C.
†Muller, Anne Deweese (Spec.)	Ind.	Myers, Martha Alva (Jun.)	D.C.
Mullin, Harold Ried (Jun.)	Wis.	Myers, Naomi Pearl (Jun.)	Ill.
Mullin, James Palmer (Law 1)	Ind.	Myers, Paul Gordon (Eng. 19)	D.C.
B.S. 1929, University of Illinois.		Myers, Robert Roy (Jun.)	Iowa
A.M. 1930, Syracuse University.		Mykes, Reginald Vanderbilt (Spec.)	D.C.
Mulliner, Vugie E. (Ed., A.M.)	Idaho		
A.B. 1929, Bingham Young University.		Nachman, Frances Rose (Ed. 63)	D.C.
†Mulroy, Thomas Robert (Law Uncl.)	Ill.	Nackenoß, Jacob Leo (Law 1)	Neb.
Ph.B. 1926; J.D. 1928, University of Chicago.		B.S. in C.E. 1928, University of Nebraska.	
†Mulvey, Daniel Daly (Jun.)	D.C.	Nagar, Cayerano Caryan (Jun. 36)	P.I.
Mulvey, Frederick (Jun. 50)	D.C.	†Naiman, Jeanette (Jun.)	D.C.
†Mumma, Ralph E. (Col. 90)	Ohio	Nance, Josephine Marshall (Jun. 12)	S.C.
Munsey, Louise Blair (Ed. 58)	D.C.	Nance, Nellie Ward (Ed. 116)	Va.
Munsey, Virrell Everett (Col., A.M. 12)	Ohio	Nash, Anna Evelyn (Nurs. 11)	N.C.
B.S. 1924, University of Maine.		Nash, Matguenite Bertha (Col. 127)	Va.
†Murata, Jack K. (Jun.)	D.C.	Nash, Paul Revere (Law 1)	D.C.
Murayama, Ken (Jun. 31)	D.C.	B.S. in E.E. 1922, Massachusetts Institute of Technology.	
†Murdock, Franklin Joseph (Law II)	Utah	Nash, Wanda Mary (Jun. 9)	Vt.
†Murdock, James (Law 1)	D.C.	†Nathanson, David (F.A. 10)	D.C.
A.B. 1916, West Virginia Wesleyan University.		Nathanson, Leon Irving (Jun. 4)	D.C.
Murphy, Abigail Theresa (Ed., A.M.)	Vt.	Nathanson, Sidney (Phar. 32)	D.C.
A.B. 1925, The George Washington University.		Nastkemper, Louis David (Law III)	Ind.
†Murphy, Alice Elizabeth (Ed., A.M.)	D.C.	Naughton, John Barry (Jun. 6)	N.Y.
A.B. 1930, The George Washington University.		†Navarra, Salvador Fuentes (Spec.)	D.C.
†Murphy, Bernard James (Spec.)	Neb.	Naylor, Mildred Louise (Jun.)	D.C.
Murphy, Charles Martin, Jr. (Col. 78)	Ala.	Nead, John Elmer (Col. 99)	Iowa
Murphy, Elliott Munroe (Jun. 31)	D.C.	Neal, Oscar Thomas (Eng. 56)	Ky.
Murphy, Estella Black (Ed. 71)	Kan.	Neal, William Frank (Col. 90)	Idaho
†Murphy, Francis Gerald (Spec.)	D.C.	Neale, John Robertson (Jun. 16)	D.C.
Murphy, Gale (Eng. 55)	D.C.	Neale, Joseph Matthews (Eng. 14)	D.C.
Murphy, Irene May (Jun. 12)	D.C.	Nebel, John Frank (F.A.)	D.C.
Murphy, Harold Warner (Law II)	Ind.	Nedrow, William Muir (Jun. 6)	Neb.
Murphy, Howard Meredith (Law III)	D.C.	Neeb, Marie Marguerite (Ed. 61)	D.C.
Murphy, James Russell (Law III)	D.C.	Needham, Patrick Henry (Jun. 45)	N.Y.
Murphy, Leslie Eugene (Eng. 30)	Kan.	Neff, John McCullough, Jr. (Law 1)	Neb.
Murphy, Mable Gant (Grad.)	Kan.	A.B. 1929, Nebraska Wesleyan University.	
A.B. 1912, Butler College.	D.C.	†Neff, Louise Anderson (Jun.)	Va.
A.M. 1923, The George Washington University.		Neff, Paul Raymond (Law III)	Ohio
Murphy, Mallie John (Grad.)	D.C.	B.S. 1923, Heidelberg College.	
A.B. 1908, Butler College.		M.S. 1927, The George Washington University.	
L.L.B. 1910, Indiana Law School.		†Neiburg, Burdette Everett (Spec.)	Neb.
A.M. 1930, The George Washington University.		†Neick, Ralph William (Jun. 7)	D.C.
Murphy, Maxwell Kerr (Law 1)	Me.	Neill, Evelyn Few (L.S.)	Ala.
B.S. 1930, University of Maine.		A.B. 1928, Athens College.	
Murphy, Sarah Agatha (Spec.)	Md.	Neilson, George Darrell (Law II)	Utah
A.B. 1929, St. Joseph's College.		B.S. 1928, Utah State Agricultural College.	
Murphy, Thomas Francis (Ed. 22)	D.C.	Neilson, Rulon K. (Law 1)	Utah
Murray, Anna (Ed., A.M. 6)	D.C.	Neitzey, John Henry (Jun. 35)	D.C.
A.B. 1925, The George Washington University.		Nelligan, James Alfred (Law 1)	Fla.
†Murray, Charles Winston (Col., A.M. 8)	D.C.	Nelligar, Harriet Virginia (Jun. 9)	D.C.
B.S. 1924, University of Delaware.		†Nelson, Agnes Christine (Ed., A.M.)	Md.
Murray, David Daniel (Jun. 31)	Va.	A.B. 1926, The George Washington University.	
Murray, Elizabeth Whiteford (Spec.)	D.C.	Nelson, Alf William (Col., A.M. 15)	D.C.
†Murray, Loren Leroy (Jun.)	D.C.	A.B. 1924, University of Minnesota.	
Murray, Margaret Patricia (Ed., A.M.)	D.C.	Nelson, Cora E. (Col. 72)	Minn.
A.B. 1930, The George Washington University.		Nelson, Elsie Viola (Jun.)	Mass.
Mushake, Kathryn Grace (Jun.)	D.C.	Nelson, Esther (Jun. 48)	Minn.
		Nelson, Garland Halslip (Jun. 39)	N.C.

Nelson, George Bailey (Med. III)	Md.	Niles, Mabel Young (Spec.)	D.C.
B.S. 1929, Washington College.		Niles, Thomas Kenny (Jun. 28)	D.C.
Nelson, Lorene (Ed. 88)	D.C.	Nimerfro, Beatrice Mary (Jun. 58)	Minn.
Nelson, Manford Edward (Jun. 18)	Iowa	†Nimro, Leonard Joseph (Jun.)	D.C.
Nelson, Melville Cary (Law I)	N.D.	†Nixon, Glenn Curry (Spec.)	Iowa
†Nelson, Pearl C. (Jun.)	Neb.	Nixon, Jessco Cowley (Jun. 23)	Utah
Nelson, Reuben Andrew (Col., M.S.)	Calif.	†Nixon, Walton Munroe (Jun.)	Tex.
B.S. 1930, The George Washington University.		Noah, Joseph Cyril (Med. III) Newfoundland	
Nelson, Rex Kenneth (Jun.)	Iowa	B.S. 1927, Heidelberg University.	
Nesbit, Mary Katherine (Col. 58)	Kan.	B.S. 1930, University of South Dakota.	Va.
Nestor, Henry Charles (Govt. 63)	Neb.	Noble, Gordon Richard (Eng. 26)	Ky.
†Nettekoven, Ann Celestine (Jun.)	Va.	Noble, Moss (Law III)	
Neumann, Meta Amalia (Grad.)	D.C.	A.B. 1927, Berea College.	
A.B. 1917; M.S. 1923, The George Washington University.		Noe, Nellie Lorene (Spec.)	Kan.
†Neviasser, Albert Edward (Jun.)	D.C.	†Noell, Margaret Irene (Jun.)	Va.
Nevius, Richard David (Law III)	D.C.	Nolan, James Edward (Law II)	Mass.
Newberry, Dolan M. (Law I)	Tex.	B.S. in E.E. 1926, Tufts College.	
Newcamp, August Francis (Jun.)	Pa.	Nolan, William Richard (Jun. 6)	Mass.
Newcombe, Elizabeth Washburn (Col. 66)	D.C.	†Nolan, Willis James (Spec.)	Md.
Newkirk, Annie Louise (Jun.)	D.C.	A.B. 1914, Western Reserve University.	
Newlin, John Wigton (Law I)	Pa.	A.M. 1917, University of Illinois.	Minn.
†Newman, Earla Virginia (Spec.)	Md.	Nold, Marie Cuthbertson (Law II)	
Newman, Jewel Ernestine (Jun. 31)	Md.	A.B. 1919, The George Washington University.	Pa.
†Newman, Laurance Gilbert (Spec.)	Va.	Noonan, Paul Ecret (Med. I)	Minn.
Newman, Marion Anderson (Ed. 52)	D.C.	Nordberg, John Justin (Spec.)	D.C.
Newton, Benjamin Baldwin (Jun. 33)	N.C.	Nordby, Agot Francine (Col. 103)	D.C.
Newton, Edward Taylor (Law I)	Ga.	Nordlinger, Bernard Isaac (Law II)	
B.S. in E.E. 1926, Georgia School of Technology.		A.B. 1929, The George Washington University.	D.C.
Newton, Emma Estelle (Col., A.M. 12)	N.C.	Nordlinger, Helen Estelle (Jun. 32)	Minn.
A.B. 1917, Lenoir Rhyne College.		Norley, William Henry (Law I)	
Newton, Gaylord Weld (Law I)	N.Y.	B.of M.E. 1929, University of Minnesota.	D.C.
B.S. in M.E. 1929, New York University.		Normandy, Eleanor Rhea (Ed. 66)	La.
Newton, Harry Paul (Grad.)	Ill.	Norris, Edith VanEas-Craigen (Jun. 57)	D.C.
A.B. 1918; A.M. 1919, Baylor University.		Norris, Henry Gladden (Law II)	Ill.
Newton, Helen K. (Spec.)	D.C.	Norris, John Gilbert (Law II)	Md.
A.B. 1924, The George Washington University.		Norris, John Harmon (Ed. 3)	Md.
Neyman, Clinton Andrew (Grad.)	D.C.	†North, Marion Himrod (Spec.)	D.C.
A.B. 1911, Denison University.		Northrop, Edward Skottowe (Jun.)	
A.M. 1930, The George Washington University.		†Northrop, Mildred Durand (Col. 78)	Pa.
Neyman, Fanny (Law Uncl.)	Mont.	Northrup, Vernon Datesman (Col., A.M. 21)	
Nichols, Ernestin Day (Spec. 60)	Ma.	A.B. 1928, The George Washington University.	Md.
Nichols, Helen Barstow (Col. 98)	Wis.	Northrup, Lewis Victor (Phar.)	Ark.
Nichols, Louis B. (Law I)	Mich.	†Norton, Francis Allen (Law II)	
Nichols, Helen Crockett (Col., A.M.)	D.C.	A.B. 1929, Ouachita College.	Tex.
B.S. 1930, The George Washington University.		Norton, Percy Tennent (Law I)	Ga.
Nichols, Mildred Janney (Ed. 88)	Md.	A.B. 1928, University of Texas.	D.C.
Nicholson, Daniel E. (Col. 27)	W.Va.	Norton, Robert Fouché (Med. I)	
Nicholson, Donald Lon (Law III)	Pa.	Norvell, Alberta Simpson (Col., A.M. 18)	Okl.
A.B. 1928, Bucknell University.		A.B. 1929, University of Oklahoma.	
Nicholson, William Trail (Jun.)	Md.	Norvell, George Eldon (Law III)	D.C.
†Nickell, Cecil Everett (Spec.)	D.C.	A.B. 1929, University of Oklahoma.	Pa.
†Nickels, Margaret E. (Col., A.M.)	D.C.	Norwood, Natalie St. Clair (Jun. 48)	D.C.
A.B. 1929, University of North Carolina.		Notarianni, Alfred Edward (Col. 65)	Md.
Nickles, Ruth Marcella (Jun. 18)	D.C.	†Novinger, Faith Fairchild (Spec.)	Va.
Nicol, Mary Bell (Ed., A.M. 6)	Md.	†Nowlin, Richard Marion (Jun.)	Va.
A.B. 1925, The George Washington University.		Nugent, Cornelia (Jun. 48)	W.Va.
Nicolson, Joseph James (Jun.)	Va.	Nugent, John Anthony (Eng. 94)	Va.
Nicosia, Joseph John (Med. IV)	N.Y.	Nutter, Carl Joseph (Law II)	Pa.
†Niece, Helen Marguerite (Col., A.M.)	Pa.	Nutter, Helen Blanche (Jun. 11)	China
A.B. 1911, Grove City College.		Nutter, John Barnett (F.A.)	Danmark
Nielsen, Glen Edwin (Eng. 39)	D.C.	Nyeu, Ming Hwa (Govt. 83)	
†Nielsen, Ras Arnold (Spec.)	Minn.	Nyholm, Jens Peter (Col., A.M. 12)	D.C.
Niemeyer, Gertrude Elizabeth (Ed. 64)	D.C.	B.S. 1929, Columbia University.	S.D.
Niess, Dorothy Louise (Jun. 32)	Md.	Nyman, Stephen Hopkins (Jun. 52)	
		Nystrom, Harold Charles (Law III)	
		A.B. 1926, University of South Dakota.	

Students Registered

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Oakley, Chester Arthur (Spec.)	R.I.	Oram, Archie L. (Spec.)	D.C.
Oass, Esther Louise (Jun.)	Wis.	Orben, Lloyd Deering (Med. 1)	N.Y.
†Oatley, Zell Weaver (Ed.)	D.C.	Orbison, Robert Henry (Law 11)	Ind.
Obeary, Legare Hill Bowles (Jun.)	Ga.	Orlean, Harry (Med. 111)	D.C.
†Oberge, Carl H. (Spec.)	Pa.	Orleans, Sol (Jun. 56)	D.C.
Oberholtzer, Jacquelyn B. (Jun.)	Calif.	Orlosky, Anne (Spec.)	D.C.
O'Brien, Agnes Genevieve (Jun. 43)	D.C.	†Orme, Violet Elder (Spec.)	D.C.
O'Brien, Everett (Spec.)	Minn.	Ornstein, Esther Calritz (Col. 63)	D.C.
O'Brien, Helen Cecelia (Spec.)	Minn.	†O'Rourke, Thomas Francis (Ed.)	Mont.
†O'Brien, Laurence Vernon (Jun. 17)	D.C.	Orpi, Pedro Colom (Jun.)	P.R.
O'Brien, Marie Harvey (Jun.)	D.C.	Orr, Raymond Lewis (Jun.)	Ala.
O'Brien, Nathan (Spec.)	D.C.	Orrick, Nannie Abbot (Col. 61)	D.C.
O'Brien, Ruth (Law 111)	D.C.	Orris, Harold Julius (Med. 1)	N.J.
B.S. 1914; A.M. 1915, University of Nebraska.		Orth, Elizabeth Caroline (Jun. 51)	D.C.
O'Brien, Thomas Doran (Jun. 24)	D.C.	Orton, Clarence Frederick (Col. 100)	Neb.
O'Brien, William Talbot (Law 1)	W.Va.	Orton, William Henry (Eng. 90)	Utah
A.B. 1926, West Virginia Wesleyan College.		Osborn, Martha Louise (Jun. 30)	N.Y.
Ocheret, Irving (Med. 1)	N.J.	Osborne, John Broadus (Law 1)	S.C.
Ockershausen, Carla Henrietta (Ed. 113)	D.C.	A.B. 1916, Furman University.	
Ockershausen, Marie Fredericka (Ed., A.M. 5)	D.C.	Osborn, Eugenia Hillary (Spec.)	Va.
A.B. 1930, The George Washington University.		Oshinsky, Mary Bertha (Spec.)	D.C.
O'Connell, Charles Edwin (Eng. 18)	Conn.	Osmond, Alfred Wendell (Law 111)	Utah
†O'Connor, John Francis (Eng. 56)	D.C.	Ossen, Edward Robert (Jun. 6)	D.C.
†O'Connor, Margaret Elizabeth (Spec.)	D.C.	Ossen, J. Jack (Jun. 48)	Conn.
†O'Connor, Margaret Veronica (Jun. 21)	D.C.	†Osterhoudt, P. James (Spec.)	N.Y.
O'Connor, Robert Thomas (Jun.)	Mass.	Osterman, John Gilbert (Jun.)	D.C.
†O'Daniel, Charles Eugene (Jun.)	D.C.	Ostermayer, Eugenia William (Spec.)	D.C.
†Oddenino, Mary Adeline (Col. 73)	D.C.	†Ostrander, Gladden Ford (Jun.)	Va.
†O'Dian, George (Spec.)	Armenia	Osuna, Margarita P. (Col. 73)	N.M.
†Oelschlager, William E. (Law 111)	Mo.	†Overholtzer, Paul Mills (Col. 15)	Calif.
†Oermann, Martin H. (Spec.)	Pa.	†Overing, Rachel W. (Jun. 33)	Neb.
†Ofel, H. Edouard (Col. 105)	Minn.	Owen, Allen (Law 1)	Ohio
Ogden, Marian Elisabeth (Ed.)	D.C.	B.S. in E.E. 1930, University of Michigan.	
†Oguz, William Raymond (Spec.)	D.C.	Owen, Elizabeth S. (Col.)	Va.
Ogus, Alfred (Jun. 36)	D.C.	A.B. 1924, Ashbury College.	
O'Halloran, Thomas Alvin (Eng. 72)	Va.	Owen, Ethel (Jun. 6)	Mo.
O'Hara, Agnes Vera (Nurs. 1)	N.C.	Owen, Eugene Davis (Ed., Ph.D.)	Iowa
O'Hare, Herbert (Law 1)	N.D.	A.B. 1925, Cornell College.	
Okerlund, Walter Maurits (Eng.)	Mich.	A.M. 1930, University of North Carolina.	
†Oldaker, Hazel Leota (Ed. 64)	Va.	†Owen, Frances Eleanor (Jun. 35)	D.C.
Olin, Harold A. (Jun. 42)	Kan.	†Owen, Mary Eleanor (Jun. 12)	Md.
†Oliver, Estelle Isabel (Ed., A.M.)	Tex.	Owens, Anna Louise (Jun. 6)	D.C.
A.B. 1922, The George Washington University.		Owens, Belva Margaret (Spec.)	Va.
Olmsted, Mary Joan (Jun.)	D.C.	A.B. 1924, The George Washington University.	
†O'Loughlin, Thomas Bernard (Spec.)	Mass.	†Owens, James Thomas (Grad.)	D.C.
†Olson, Niels Andrew (Law 1)	Idaho	B.S. 1917, Cornell University.	
Olson, Henry Camper (Eng. 8)	Utah	A.M. 1920, The George Washington University.	
Olson, Herbert Hungerford (Jun. 12)	D.C.	†Owens, James Uberta (F.A. 68)	D.C.
B.S. 1927, University of Washington.	Wash.	Owens, Raymond Bruce (Spec.)	D.C.
Olson, Frank Montague (Law 11)	Utah	†Owings, Irvin G. (Spec.)	Md.
Olson, Mabel Evelyn (Law 1)	N.M.	Oxenburt, Beatrice Sylvia (Jun.)	D.C.
B.A. 1920, University of New Mexico.		Oxenburt, Gerald Isaac (Law 1)	D.C.
Olson, Robert Mortimer (Med. 111)	Va.	†Oyster, Helen (Jun.)	Md.
Olverson, John Benjamin (Jun.)	D.C.		
O'Malley, Thomas Richard (Law 1)	Ill.	Padgett, Anna Madeline (Ed. 58)	D.C.
B.S. 1930, Armour Institute of Technology.		Pagan, Oliver Elwood (Jun. 32)	D.C.
Omwake, Mary Louise (Ed., Ph.D.)	D.C.	†Page, Carter (Law 1)	Va.
A.B. 1928; A.M. 1929, The George Washington University.		B.S. 1926, Virginia Military Institute.	
Omwake, Mildred E. (Jun. 24)	D.C.	Page, Georgia Edith (Jun. 31)	Mich.
†O'Neal, Eleanor Ashby (Jun. 14)	Colo.	Page, Margaret Jane (Jun. 48)	Tex.
O'Neil, Ruth Marie (Jun.)	Md.	Page, Orris Clegg (Col. 26)	D.C.
O'Neill, Helena Barry (Spec.)	D.C.	†Page, Robert Morris (Col., A.M.)	Minn.
Oppenheimer, Celia (Ed., A.M. 16)	D.C.	B.S. 1927, Hamline University.	
A.B. 1910, Bryn Mawr College.	Md.	Page, William Tyler (Law 1)	Md.
Opsahl, Harold E. (Jun. 38)	Minn.	A.B. 1930, University of Maryland.	
		Paglino, Ameglio James (Eng.)	D.C.
		Paice, Clifford Alfred (Jun. 8)	Utah
		†Paine, Donald Curtiss (Spec.)	D.C.
		Paine, Eva Springmann (Ed. 84)	D.C.
		†Painter, David Miller (Col.)	Tex.

Painter, Eunice Merle Mozelle (Jun. 30)	Va.	†Partridge, Miriam Newcomb (Grad., Ph.D.)	D.C.
Painter, Florence Minnie (Ed. 76)	D.C.	B.S. 1925, Boston University.	
†Painter, Frank Wood (Jun. 23)	Ky.	†Partridge, William Thomas, jr. (Spec.)	D.C.
†Paisley, Jack Newton (Jun. 48)	Ind.	Pascal, Louise Inès (Spec.)	D.C.
Palmer, Catherine Bell (Col. 93)	D.C.	†Pasch, Maurice Bernard (Law 1)	Wia
Palmer, Edith Mae (Col., A.M.)	Va.	Passalacqua, Jose R. (Med. 111)	P.R.
A.B. 1929, Randolph-Macon Woman's College.		A.B. 1929, The George Washington University.	
†Palmer, Ethel Haxton (Spec.)	D.C.	†Passin, Katherine (Jun.)	D.C.
†Palmer, George H. (Spec.)	D.C.	Patch, Virginia Allen (Spec.)	D.C.
Palmer, Gladys Edith (Ed., A.M. 2)	Md.	Pates, William Melvin (Jun. 18)	Va.
A.B. 1925, The George Washington University.		Patrum, Kenneth Walter (Jun.)	Okl.
Palmer, Grace Crowell (Ed. 46)	D.C.	†Patterson, Donald Gillis (Law 11)	N.H.
Palmer, Marjorie Elizabeth (Spec.)	Calif.	†Patterson, George Daniel (Law 11)	Ala.
Palmer, Rosalie Bremman (Jun.)	D.C.	B.B.A. 1928, Emory University.	
Palmer, Velma Barber (Spec.)	Md.	†Patterson, Kirby Williams (Law 11)	Mo.
†Palsgrove, Arthur Charles (Jun.)	D.C.	A.B. 1928, Drury College.	
†Pangle, Beulah Kathryn (Spec.)	D.C.	†Patterson, Margaret Kathryn (Ed., A.M.)	D.C.
Panzarella, Joseph Albert (Col. 81)	Md.	B.S. 1925, Columbia University.	
Papps, Platonia E. (Jun.)	Mich.	†Patterson, Melvin (Law 1)	N.Y.
Paquin, Gerard Alfred (Eng. 12)	Mass.	†Patterson, Phyllis Lea (Ed. 61)	D.C.
Paradis, Juliette Virginia (Ed. 95)	Ohio	†Patterson, Richard Sharpe (Col., A.M. 12)	Pa.
Parel, James Don (Law 1)	Iowa	A.B. with distinction, 1929, The George Washington University.	
Paris, Ena-Beth (Jun.)	D.C.	†Patterson, Robert John (Law 1)	N.Y.
Parker, Albert Marcus (Law 11)	N.J.	B.S. in Ch.E., 1910, Clarkson College of Technology.	
B.S. in M.E. 1928, University of Maine.		†Patterson, Ruby Raymond (Spec.)	D.C.
Parker, Belle Cutler (Spec.)	D.C.	†Pattie, Katherine Lynn (Spec.)	Va.
Parker, Cecelia McCallum (Spec.)	D.C.	†Pattie, Mary LaMarque (Spec.)	Md.
†Parker, Charles Bernard (Law 1)	Mass.	†Patton, Shelby Walker (Spec.)	D.C.
B.S. 1927; M.S. 1929, Worcester Polytechnic Institute		†Paugh, Dorothy Alex (Col. 72)	D.C.
Parker, Charles Meredith (Spec.)	Ill.	Paula, Sister Mary (Spec.)	N.D.
Parker, Clarence Odell (Jun. 27)	Tex.	Paulson, Lynn Clifford (Govt. 90)	Wia
Parker, Donald William (Eng. 89)	Conn.	Paulus, George Melchior (Jun. 46)	D.C.
†Parker, Edith Helene (Ed. 18)	D.C.	Payne, Golda Smith (Spec.)	Va.
Parker, Ernest Sheppard (Col. 48)	D.C.	Payne, Howard S. (Grad., Ph.D.)	
†Parker, Frederick Thomas (Jun.)	D.C.	A.B. 1929, The George Washington University.	
Parker, Hartwell Ruedy (Govt.)	Ohio	†Payne, John Byrd (Col. 60)	Md.
Parker, James Clarence, jr. (Law 111)	D.C.	Payne, Margaret Seay (Ed. 63)	D.C.
Parker, Katherine Elizabeth (Med. 111)	Md.	†Payne, Seymour Blair (F.A. 10)	W.Va.
A.B. 1924, Brenau College.		Payne, William Burbridge (Law 111)	D.C.
M.A. 1930, The George Washington University.		Pearce, Eather (Ed. 61)	D.C.
Parker, Laurence (Jun. 26)	D.C.	Pearce, Mary Jessie (Ed., A.M.)	
Parker, Ruth Ann (Jun.)	D.C.	B.S. 1925, University of Chattanooga.	D.C.
†Parker, Ruth Barnard (Ed.)	D.C.	†Pearson, Margaret Anne (Spec.)	D.C.
A.B. 1925, The George Washington University.		†Pearson, Oliver Agnetta (Jun. 36)	D.C.
†Parker, Theodore Ellis (Phar.)	Va.	Peckham, Henry Lincoln (Med. 1)	Pa.
*Parker, Vera R. (Ed., A.M. 6)	Md.	Peckham, Winifred Alida (Jun. 57)	N.Y.
A.B. 1929, The George Washington University.		Pecoraro, Leone (Law 11)	
Parker, William Francois (Eng.)	Ga.	A.B. 1928; M.A. 1929, Columbia University.	Iowa
†Parker, William Hooper (Jun.)	D.C.	Pedersen, Lawrence B. (Law 11)	
Parks, Mary-Louise (Jun.)	D.C.	A.B. 1926, Grinnell College.	Utah
Parmele, Doria Lucia (Jun.)	D.C.	Pedersen, Marcus Jeppesen (Law 111)	Va.
Parriah, Eldon Maron (Law 11)	D.C.	Peele, Manly Hardee (F.A. 110)	N.J.
Parrott, Lacuta Ethel (Spec.)	W.Va.	Pellecchia, Pellegrina James (Law 11)	N.Y.
Parsons, Catherine Terrett (Ed.)	D.C.	Pember, Gladys Ella (Law 1)	
Parsons, Donald Johnson (Jun. 27)	D.C.	A.B. 1930, Mt. Holyoke College.	D.C.
†Parsons, Frederick Burton (Col. 107)	D.C.	Pendleton, Charles Herbert (Eng.)	S.C.
Parsons, George Samuel, jr. (Law 11)	Colo.	†Pendleton, Elizabeth Randolph (L.S. 30)	N.Y.
Parsons, Henry Kirkham (Spec.)	Iowa	A.B. 1922, Converse College.	
Parsons, James Hollister (Spec.)	D.C.	Pensky, Nathan (Med. 11)	
Parsons, John Earl (Eng. 14)	D.C.	A.B. 1929, The George Washington University.	
†Parsons, Nancy Johnson (Spec.)	D.C.	B.S. 1930, New York University.	D.C.
Parsons, Richard Abner (Law 1)	S.D.	Peoples, Helen C. (Spec.)	
B.S. 1930, The George Washington University.			
Parsons, Robert Leroy (Col. 82)	D.C.		
Parsons, Verna Lenore (Law 11)	D.C.		
Parsons, William Herbert (Law 11)	D.C.		

Students Registered

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†Pepper, Margaret R. (Ed., A.M. 20) A.B. 1926, The George Washington University.	D.C.	Pierson, Mary (F.A.) A.B. 1926, Western College for Women.	Ind
Pepper, William Edward (Eng. 25)	Va.	Pietropinto, Donato (Med. 1v)	N.Y.
Percy, Mildred St. Martin (Ed., A.M.) A.B. 1930, The George Washington University.	D.C.	B.S. 1927, New York University.	W. Va.
†Perham, Elwyn Allen (Jun.)	N.H.	Pifer, Isabella K. (Nurs. 1)	Ill.
Perkins, Lewis Bryant, jr. (Eng. 68)	D.C.	Pigman, George Leroy (Eng. 31)	Ill.
Perkins, Mekkin Sveinson (Spec.)	D.C.	Pigman, William Ward (Col. 6)	Ill.
†Perkins, Paul (Spec.)	D.C.	Pikal, Frank Joseph (Jun.)	D.C.
†Percy, Alberta (Jun. 23)	D.C.	†Pike, Albert Hamilton (Col. 70)	Ore.
Perlman, Anne Beatrice (Jun. 35)	D.C.	Pillars, Miles Dorwin (Law 1)	
Perlstein, Sam (Phar. 6)	D.C.	B.S. 1928, Oregon State Agricultural College	
Permut, Jack (Col. 79)	D.C.	Pilliod, Rosine (Spec.)	Ohio
Perry, Albert Walter (Law 11)	Fla.	Pincock, Glenn (Med. 1)	Utah
Perry, Isabel Tracy (Jun.)	Md.	†Piniere, Felix Martin (Spec.)	P.I.
Perry, John Watson (Jun. 42)	D.C.	Pirie, Muriel Alice (Jun. 6)	Wis.
†Petar, Alice Virginia (Spec.)	D.C.	Pisapia, Edward Atilio (Spec.)	D.C.
Peter, Fannie Irene (Jun. 57)	D.C.	Pisarra, Francis Joseph (Law 1)	N.Y.
Peter, Walter Gibson, jr. (F.A. 53)	D.C.	†Pitt, Bernard P. (Jun. 48)	D.C.
Peters, Besse Anita (Spec.)	D.C.	Pittle, Herbert (Jun. 31)	D.C.
B.S. 1920, Sweet Briar College.		Pittman, John Irvin (Jun. 57)	Va.
Peters, Josephine Foss (Jun.)	D.C.	Pitts, Bessie May (Col. 76)	D.C.
Peters, May Ellinor (Spec.)	Ind.	Pitts, Jack Dixon (Med. 1)	Ga.
Peterson, Anis Rae (Grad., Ph.D.)	N.Y.	Pitts, Lorena (Col. 60)	D.C.
A.B. 1924, Indiana University.		Plassman, Emil Frederick (Jun. 18)	D.C.
A.M. 1920, Columbia University.		Plitt, Helen Manville (Col., A.M.)	D.C.
*Peterson, Gerald Herman (Col. 121)	Calif.	A.B. 1926, Goucher College.	
Peterson, Hazel Alberta (Ed., Ph.D.)	D.C.	Plugge, Virginia (Jun.)	D.C.
A.B. 1930, A.M. 1930, The George Washington University.		†Pouch, Josephine Teresa (Spec.)	D.C.
Peterson, Leigh Orville (Jun.)	Wis.	Pogue, Richard Wayne (Jun.)	D.C.
Petrenko, Arno Mary (Jun.)	D.C.	Pohlmann, Robert George (Col. 95)	D.C.
†Petrie, Helen Willena (Spec.)	D.C.	Polacoff, Molly (Ed. 91)	Va.
Petrijohn, Kenneth (Jun. 6)	Ind.	Polacoff, Yetta (Ed. 30)	Va.
†Petty, Wirt Hayes (Law 11)	W. Va.	Poling, Chloe Evelyn (Nurs. 11)	W. Va.
†Petty, Dorothy Clay (L.S. 6)	D.C.	Polk, Bertha D. (Spec.)	D.C.
A.B. 1930, Trinity College.		†Polkinhorn, John Henry (Jun. 19)	D.C.
Petty, Mary Elizabeth (Col. 55)	Md.	Polkowitz, Morton Leo (Law 1)	N.J.
Peverill, William LeRoy (Law 11)	D.C.	Pollack, Mae Junio (Jun. 6)	Ohio
B.S. in M.F. 1927, University of Maryland.		†Pollard, George M. (Jun. 53)	Mo.
†Peiffenberger, George William (Spec.)	Ohio	†Pollard, Lillie Howard (Jun. 33)	D.C.
†Peiffer, Agatha Estelle (Spec.)	Mo.	Pollock, Blanche S. (Jun. 3)	Mass.
Phelps, Catherine Margaret (Jun. 18)	D.C.	Pollock, Ross (Col., A.M.)	D.C.
Phelps, Horace Bruton (Jun.)	D.C.	B.S. in C.E. 1930, Lafayette College.	
Phelps, Robert Everett (Eng. 35)	Md.	†Pollock, Theresa Carroll (Spec.)	D.C.
Philbrick, Howard Reginald (Law 11)	Wash.	Polonitz, Edmund Henry (Jun. 32)	N.J.
B.S. 1928, Oregon State Agricultural College.		Pomarane, Ruth Millicent (Govt. 66)	Wis.
Phillips, Catherine Estelle (Ed., Ph.D.)	Md.	†Pond, Wayne Young (Jun.)	Idaho
A.B. 1923; A.M. 1927, The George Washington University.		Poole, William Halbert (Jun. 46)	Md.
Phillips, Charles Emory (Jun. 41)	D.C.	Poor, John Wilbert (Jun. 41)	Mo.
Phillips, Clyde Ellis (F.A. 41)	D.C.	Pop, Artanassoff Constantin (Col., A.M.)	Bulgaria
Phillips, Dorothy Randall (Spec.)	Md.	Graduate, 1928, Balkan Near East Institute	
A.B. 1930, The George Washington University.		Pope, Chester Isaac (Jun.)	Kan.
Phillips, Edith Sewall (L.S. 78)	D.C.	Pope, Sterling Walter (Col. 93)	Ohio
Phillips, Laurence Akers (Law 11)	D.C.	†Popkins, George Ross (Col. 92)	D.C.
Phillips, Lucas Dellam (Law 11)	Va.	Popluder, Nathan (Phar. 33)	N.Y.
Phillips, Marion Edgar (Eng. 62)	Kan.	Poppe, William Adolph (Eng. 99)	D.C.
Phillips, Mary Alice (Jun. 25)	Md.	Foretsky, Sylvia Mildred (Jun. 18)	D.C.
Phillips, Mildred A. (Ed. 61)	Ky.	Portch, Joseph Harry (Eng. 64)	D.C.
Phillips, William Seymour, II (Jun. 47)	D.C.	†Porter, Alexander Munn (Law 1)	D.C.
Philpitt, Blanche Willis (Ed. 109)	D.C.	†Porter, Claire Raymond (Jun. 9)	Iowa
†Picard, Anne-Marie (Spec.)	D.C.	Porter, Dorothy M. (Jun.)	D.C.
Pick, Esther Josephine (Jun.)	D.C.	†Porter, Francis John (Jun.)	D.C.
Pickens, Henri Batcheller (Jun. 6)	D.C.	†Porter, George Wilbur (Law 1)	N.Y.
Pickens, Madison Dallas (Law 1)	D.C.	A.B. 1930, Dartmouth College.	
†Pickert, Nita C. (Ed. 89)	Ill.	Porter, North Louise (Col. 96)	D.C.
†Pidgeon, Rezin Edward (Eng. 114)	D.C.	Porter, Thelma R. (Nurs. 11)	Md.
†Pierce, Margaret K. (Jun.)	Va.	Porter, Wilbur Caleb (Col., A.M. 14)	Minn.
		A.B. 1926, Gustavus Adolphus College.	
		Porterheld, Dorothy (Jun. 18)	Ark.
		Poteet, John Wilmer, II (Law 11)	Md.
		B.E. 1926, Johns Hopkins University.	
		Potter, Gordon Vanderlip (Jun. 19)	D.C.

Potter, Louis Alexander (Jun. 26)	D.C.	Purificacion, Alfredo Firme (Jun. 32)	P.I.
Potter, Nelson Augustine (Law Spec.)	D.C.	Purpura, John Anthony (Med. 14)	N.Y.
Powell, George Carlton (Jun.)	Md.	†Putnam, Amy Dorothy (L.S.)	D.C.
Powell, Harold Neally (Law 11)	Me.	A.B. 1922; A.M. 1923, The George Washington University.	
B.S. in C.E. 1920, University of Maine.			
Powell, Henry Spencer (Jun.)	D.C.	Pyle, Dorothy Boyd (Ed. 112)	D.C.
†Powell, James Emerson (Col. 102)	Va.	†Pyle, Thelma Mary (Ed., A.M.)	Md.
Powell, Jean Dickerson (Col. 73)	Va.	A.B. 1927, Bridgewater College.	
†Powell, Sophy Hulsizer (Col., A.M.)	D.C.	Pyles, Helen Elizabeth (Spec.)	D.C.
A.B. 1918, University of California.			
†Powell, William McKelden (Eng. 48)	Pa.	Quackenbush, Leo (Law Uncl.)	D.C.
Powelson, Robert (Eng.)	N.J.	E.E. 1924, Cornell University.	
†Power, Julia Louise (Spec.)	D.C.	LL.B. 1930, Georgetown University.	
Powers, Richard James (Eng. 35)	D.C.	Quale, Franklin Edward (Law 1)	Ohio
Prangley, Arthur George, jr. (Law 111)	D.C.	B.S.E. 1930, University of Michigan.	
B.S. 1925, University of Maryland.		Quarles, Henry (Jun. 3)	D.C.
†Prangley, Blanche Irene (Ed. 2)	D.C.	Queen, Harold Ellis (Law Uncl.)	D.C.
Prangley, Curtis Frederick (Law 1)	D.C.	B.S. 1930, University of California.	
B.S. in E.E. 1930, The George Washington University.		Queen, Mildred R. (Jun. 18)	D.C.
†Pratt, Henry Gilbert, jr. (Spec.)	D.C.	Quick, James Clifton (Col. 60)	D.C.
†Pratt, Philip Marlow (Jun.)	Md.	Quijano, Juan R. (Law 11)	P.I.
†Prender, Kingsland (Jun. 56)	D.C.	†Quinn, David Long (Spec.)	D.C.
Prentiss, Helen Louise (Law 111)	D.C.	A.B. 1922, The George Washington University.	
A.B. 1920, The George Washington University.		Quinn, Dorothy Eva (Spec.)	D.C.
Prescott, Kenneth Turtle (Eng. 61)	D.C.	Quinn, Elizabeth Mary (L.S. 32)	D.C.
Prescott, William Wallace (Spec.)	N.C.	Quinn, Joseph Patrick (Col. 107)	Md.
Press, Emil Asmus (Eng. 74)	D.C.	Quinn, Thomas Michael (Law 1)	Ind.
Pressgrove, Louise Mullens (Spec.)	Md.		
Preston, Phoebe Darlington (Jun. 50)	Md.	Rabenovets, Judas Samuel (Jun.)	D.C.
Preston, Wallace Livingston (Jun. 21)	D.C.	Rabinowitz, Gilbert (Law 11)	N.Y.
†Prezzo, Hattie B. (Spec.)	D.C.	A.B. 1930, The George Washington University.	
†Price, Adele Spence (Ed. 78)	D.C.	Racioppi, Rosalinda Marie (Spec.)	N.Y.
Price, Eugene Joshua (Jun. 27)	D.C.	Radcliffe, Rowena Eloeon (Col., A.M.)	D.C.
†Price, Gertrude F. (Jun.)	D.C.	B.S. 1920, The George Washington University.	
Price, Gladys Josephine (F.A. 32)	D.C.	Rader, Lewis Franklin, jr. (Col. 92)	Colo.
Price, Lance Charles (Med. 11)	Ala.	Rader, Merlin Alva (F.A. 95)	D.C.
Price, Leonard Hugo (Col. 74)	Md.	†Radford, Mary Lovell (Spec.)	D.C.
Price, Mary Elizabeth (Col., A.M. 12)	D.C.	Radice, Julius John (Med. 1)	D.C.
A.B. 1927, The George Washington University.		A.B. 1930, University of Maryland.	
†Price, Seymour Gilbert (Law 1)	Conn	Radue, Fordham Wier (Jun. 12)	D.C.
A.M. 1925, Rensselaer Polytechnic Institute.		Radue, Richard Glover (Eng. 105)	D.C.
Prichard, Catherine Robina (Jun. 12)	D.C.	Raffel, William (Jun. 30)	D.C.
Priest, Mary Katharine (Col. 93)	D.C.	†Rafter, Mary Elizabeth (Spec.)	D.C.
Prince, Darius Finley (Law 111)	Tenn.	Ragan, Joseph Bernard (Eng. 31)	D.C.
A.B. 1925, Marville College.		†Ragatz, Mary Parker (Grad., Ph.D.)	
†Pritchard, James B. (Col., A.M.)	D.C.	A.B. 1927, Texas Christian University.	
A.B. 1930, Asbury College.		A.M. 1928, Northwestern University.	
†Privette, William Palmer (Spec.)	D.C.	†Rains, Marion Lee (Jun. 17)	Okla.
†Probey, Frances Virginia (Jun.)	D.C.	Rakusin, Stanley Israel (Jun.)	D.C.
†Probey, Joseph William (Eng.)	D.C.	Raley, Irving James (Law 111)	Va.
Proctor, Robert Finis (Law 111)	Ala.	*Ramage, Elizabeth Hill (Col. 109)	Va.
A.B. 1927, Georgetown College.		Rambo, Tremaine Ercilla (Col. 97)	
Proctor, Stuart Evans (Jun. 18)	D.C.	†Ramey, Elizabeth Margaret (Ed., A.M.)	
Proffitt, Claude Lee (Eng. 8)	D.C.	A.B. 1929, The George Washington University.	D.C.
Proffitt, Edith Louise (Jun. 9)	D.C.	Ramos, Lydia Brooks (Col., A.M.)	
†Protas, Harry (Jun. 31)	D.C.	B.S. in Ed., 1927, University of Nebraska.	D.C.
Proetzman, Eugenia Herbert (Col. 124)	Va.	†Ramsburgh, John Stephen (Jun. 27)	Ind.
Prussin, George (Med. 11)	N.Y.	Ramsey, Ralph Edison (Col. 63)	Ind.
A.B. 1930, The George Washington University.		Randall, Fred Glenwood (Col. 87)	Me.
†Pryse, Zack D. (Spec.)	Okla.	Randall, Iva Gilman (Spec.)	D.C.
Pugh, Adele Roby (Spec.)	D.C.	†Randall, Laura Bryson (Spec.)	Va.
Pugh, Everett Hurley (Jun.)	D.C.	Randolph, Agnes M. (Col. 60)	
†Puhr, Marie C. (Spec.)	D.C.	Randolph, Cary Jacquelin (Law 11)	
†Puleston, Cornelia Dilworth (Col., A.M.)	D.C.	A.B. 1927, University of Virginia.	Ind.
A.B. 1916, Florida State College for Women.		†Rankin, Ruth Foster (Jun. 39)	N.Y.
Pumphrey, Lawrence Preston (Jun. 36)	D.C.	Rano, Ernest Anthony (Jun.)	N.C.
Purcell, Katheryn Dean (Ed. 64)	D.C.	Raper, Kenneth Bryan (Col., M.S. 15)	
Purchase, Albert Richard (Eng. 83)	D.C.	A.B. 1929, University of North Carolina.	

Students Registered

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Rappote, John Paul, jr. (Govt. 39)	D.C.	†Renfro, George Ellis (Jun. 41)	D.C.
Rasband, James Oral (F.A. 41)	D.C.	Renkel, Roland W. (Col. 89)	Okla.
Rasch, Richard Kinsey (Col. 93)	D.C.	Renninger, Lester Odell (Col. 89)	D.C.
Rask, Henry George (Govt. 62)	N.Y.	Renstrom, Francis Allan (F.A.)	Neb.
Ratcliff, Helen Evelyn (Spec.)	D.C.	B.S. 1927, University of Nebraska.	
Ratcliffe, Joseph Leinson (Col. 93)	D.C.	Renstrom, Lester Francis (Col. 104)	Idaho
Ratcliffe, Sydney Melville (Jun. 32)	D.C.	†Reum, Gladys F. (Jun.)	Md.
Rathbone, Juliette Falconer (Ed. 62)	W.Va.	†Revercomb, Everett Eugene (Jun.)	Va.
Rathburn, Mark Hudson (Law 1)	Colo.	†Revilla, Antonio G. (Jun.)	D.C.
B.S. in E.E. 1929, University of Colorado.		†Reynolds, Bertha David (Spec.)	D.C.
Rauh, Martha F. (Spec.)	Va.	Reynolds, Betty Veronica (Jun. 21)	D.C.
†Rausch, Marguerite M. (Jun. 3)	D.C.	Reynolds, Boykin Arnold (F.A. 30)	D.C.
Raver, Sarah Irene (Spec.)	D.C.	Reynolds, Dumond Stoddard (Col. M.S. 18)	D.C.
Rawalt, Luella Marguerite (Law 11)	Tex.	B.S. 1924, University of Denver.	
Rawlings, Fred Benjamin (Jun. 10)	D.C.	Reynolds, Hazel Vincenze (Law 1)	Md.
†Rawlings, Herbert Lee (Jun.)	Md.	A.B. 1924, The George Washington University.	
Ray, Ruth R. (Jun. 41)	Okla.	Reznek, Joel (Eng. 98)	D.C.
†Ray, Raymond G. (Jun.)	Mexico	Rhine, Walter Frederick (Eng. 34)	D.C.
Raymond, Marie Jane (Jun. 54)	D.C.	Rhinehart, Walter Leon (Jun. 10)	D.C.
Rayson, Josephine (Jun. 32)	D.C.	Rhoade, Cecelia (Jun.)	D.C.
Rayson, Thomas McTyeire (Jun.)	D.C.	†Rhoades, Albert Louis (Spec.)	D.C.
Rea, Harriette Missouri (Spec.)	D.C.	Rhoades, Flora M. (Col. 129)	D.C.
†Rea, Parthia Moulton (Jun. 21)	Md.	Rhoades, Marion B. (Jun. 9)	D.C.
†Read, Floy Arlene (Spec.)	Miss.	†Rice, Austin (Spec.)	D.C.
†Ready, Daniel (Col. 84)	D.C.	†Rice, Betty (Col. 70)	Md.
Reagle, Hilda Ruth (Law, LL.M.)	D.C.	†Rice, George Milton (Govt. 72)	D.C.
A.B. 1925; LL.B. 1927, The George Washington University.		Rice, Julius Herbert (Col. 104)	Pa.
Reardon, Corinne Talmadge (Col., A.M. 6)	Va.	Rice, Roland McLaren (Law 11)	Md.
A.B. 1918, Randolph-Macon Women's College.		A.B. 1929, American University.	
Reavis, Elizabeth Hill (L.S. 79)	N.C.	†Rice, Stella Irene (Spec.)	Mass.
†Redington, Alice (Spec.)	Iowa	Rice, Manuel Wheeler (Jun.)	D.C.
†Redkey, William H. (Col. 66)	Ohio	Rich, Ben Evans (Jun.)	Utah
Redmond, John Carroll (Col., A.M. 14)	N.Y.	Richard, D'Albert Joseph (Jun. 64)	La.
B.S. 1928, Hamilton College.		Richard, John Raymond (Spec.)	Ia.
†Reed, Donald Logan (Col., A.M. 5)	Wash.	Richard, Mary Catherine (Nurs. 111)	Va.
B.S. 1927, University of Washington.		Richard, Betty DeBeauvais (Spec.)	D.C.
Reed, Edward Dennis (Ed. 84)	D.C.	†Richards, James Walsh (Law 1)	D.C.
Reed, Fred Cassius (Col. 105)	D.C.	†Richards, Karl Morgan (Law 1)	Utah
Reed, Mabel Christina (Col. 87)	Mont.	A.B. 1927, University of Utah.	
†Reed, Mignon India (Col., A.M.)	Tex.	Richardson, Francis Xavier (Med. 11)	D.C.
A.B. 1929, University of Texas.		†Richardson, Frank Warner (Spec.)	D.C.
Reider, Thomas (Spec.)	W.Va.	Richardson, Grace Katherine (Jun.)	Ark.
Reider, Suzanne (Spec.)	D.C.	Richardson, Howard Barrett (Col. 90)	D.C.
Rees, Elizabeth Ann (Col. 57)	Va.	Richardson, Lee Turner (Spec.)	D.C.
Rees, William Chevers (Law 111)	D.C.	Richardson, William Burton (Law 1)	D.C.
Reese, Robert Hugh (Col. 58)	D.C.	Richey, Robert Charles (Law 11)	Ohio
Reeve, Felicia Ann (Spec.)	D.C.	Richman, Samuel (Phar. 71)	D.C.
A.B. 1917; A.M. 1923, The George Washington University.		Richmond, Hilda W. (Ed., A.M.)	D.C.
Reeves, Clyde P. (Med. 11)	D.C.	A.B. 1928, The George Washington University.	
Reeves, Elizabeth Amelia (Col. 58)	D.C.	Richtmeyer, Dorothy Anne (Ed. 64)	Va.
Reeves, George William (Med. 1)	D.C.	Richtmeyer, Duane C. (Med. 111)	Va.
Reff, Benjamin F. (Med. 11)	N.Y.	Richwine, Alfred Henry (Med. 11)	D.C.
A.B. 1929, The George Washington University.		Richwine, Barton Winters (Med. 1)	D.C.
Reich, Geraldine Anne (Nurs. 1)	Pa.	Rick, John Henry (Spec.)	D.C.
Reichmann, Owen G. (Law, LL.M.)	Utah	LL.B. 1924, The George Washington University.	
B.S. 1924, University of Utah.		†Riddle, Dora Byron (Jun. 34)	Tenn.
Reid, John David (Col., A.M.)	D.C.	Ridenour, Fay Lenore (Nurs. 1)	Md.
B.S. 1920, Washington State College.		Ridenour, Jane Hammond (Nurs. 111)	Md.
Reid, Stella Mae (Jun.)	N.C.	Ridgway, Robert Henderson (Spec.)	D.C.
Reiley, J. Benedict (Med. 11)	N.Y.	Riedel, Erna Marra (Spec.)	Md.
Ph.G. 1923, Fordham University.		Riedel, Julia Mills (Ed., A.M.)	Va.
Reilly, Michael (Jun. 18)	Mont.	B.S. in Ed. 1927, State Teachers' College, Fredericksburg, Va.	
†Reinhold, Richard Hillegas (Spec.)	Pa.	Rigby, Scott Gerard (Col. 84)	Iowa
Reinisch, Harold George (Govt. 98)	D.C.	Riggs, William Adams (Jun.)	D.C.
†Reis, Samuel (Spec.)	N.Y.	Riley, Edwin Archer (Col. 104)	Mo.
Remley, Ralph Day (Col. 80)	D.C.	LL.B. 1930, The George Washington University.	
Remsen, Charles Cornell, jr. (Law 1)	N.J.	Riley, James O. (Jun. 51)	D.C.
E.E. 1930, Cornell University.		Riley, Thaddeus Ambrose (Eng. 85)	Mo.

†Rind, Samuel Seabrook (Jun.)	W. Va.	†Rodis, Isadore (Spec.)	D. C.
Rinehart, Theodore A. (Law 11)	Okla.	Rodriguez, Ruben Garza (Jun.)	Tes.
Ring, Laurence E. (Govt. 98)	D. C.	Roe, Edward Thomas (Col. 87)	Va.
Ringle, David, jr. (Eng. 56)	D. C.	Roebkin, Eather Marie (Law 11)	D. C.
Rioch, Isabel Kirk (L.S. 62)	N. Y.	Roeder, Carl Henry (Eng. 41)	Md.
†Riordon, Helen Mead (Ed. 57)	D. C.	†Roehr, Stanley Charles (Spec.)	D. C.
Riordon, Robert Callahan (Law 1)	D. C.	Roeser, Haskell Peter (Eng. 91)	D. C.
B.S. in M. E. 1930, Catholic University.		Roettiger, Henry Arthur (Eng. 76)	Wis.
†Rippey, Aaron Stanton (Jun. 50)	D. C.	†Rogers, Celia Marie (Spec.)	D. C.
Risher, Charles W. (Law 1)	Ind.	†Rogers, Florence Hopkins (Ed., A.M. 3)	D. C.
A.B. 1930, Indiana State Teachers' College.		A.B. 1924, The George Washington University.	
Rissler, Harriette Morton (Col. 87)	D. C.	Rogers, Gretchen Louisa (Col., A.M.)	D. C.
†Rist, Carl E. (Spec.)	W. Va.	A.B. 1930, The George Washington University.	
A.B. 1920, Marietta College.		Rogers, Hamilton Allen (Jun. 16)	W. Va.
†Ristig, Grace Marguerette (Spec.)	D. C.	†Rogers, Jeff Hughes (Jun.)	Md.
Ristig, Martin Harold (Jun. 9)	D. C.	Rogers, John Howard (Eng. 46)	D. C.
Ritchie, Don C. (Col. 64)	D. C.	Rogers, Otto Larkin (Eng.)	Mass.
Ritchie, Robert Ernest (Ed., A.M. 11)	Mich.	A.B. 1928, The George Washington University.	
A.B. 1928, The George Washington University.		Rogerson, Mildred Alivia (Ed. 48)	D. C.
Ritenour, Julia (Nurs. 11)	Va.	Rohleter, Grace Irene (Jun. 10)	Va.
†Rittenhouse, William Alexander (Jun.)	D. C.	†Rohr, Eunice Wren (Spec.)	Va.
Rittenour, Marion Russell (L.S. 60)	D. C.	Rohrer, Carl Pepper (Law 11)	D. C.
Rivera, Julio Nazario (Med. 1)	P. R.	Rohrich, George John (Eng. 13)	P. R.
Rixey, Samuel Wise (Eng. 10)	Va.	Rojas, Eli Samuel (Med. 19)	Mex.
†Roach, Carrie Mae (Col. 96)	Okla.	Roldan, Pascual Guierrez (Spec.)	D. C.
Roache, Fred Brinning (Med. 1)	Ky.	Rollins, Frank Carlton (Eng. 13)	Mass.
Robb, Harry Joseph (Med. 11)	Va.	Rollins, Mary Lockett (Col., A.M. 15)	
B.S. 1929, University of Pittsburgh.		A.B. 1928, H. Sophie Newcomb College.	
Robb, Theodore (Ed. 63)	Md.	Rollins, Pearl S. (Jun. 57)	D. C.
Robb, Vivian (Spec.)	Ill.	Rollins, Richard Adam (Col. 86)	Va.
A.B. 1927, The George Washington University.		Romhilt, Arthur Carl (Jun. 37)	D. C.
Robbins, Irving (Med. 1)	N. Y.	†Romig, Clyde Edison (Jun. 32)	D. C.
B.S. 1929; M.S. 1930, New York University.		Romney, Blaine Taylor (Law 1)	Ind.
Robbins, Nathan (Col., A.M.)	N. Y.	Ronald, Hugh Norman (Govt. 60)	Ind.
A.B. 1930, Syracuse University.		Ronald, James Hall (Law 1)	
†Roberts, Dorothy (Spec.)	Mass.	A.B. 1929, Earlham College.	
Roberts, Elizabeth Burgess (Jun.)	D. C.	†Ronning, Henry Leigh (Law 1)	Min.
†Roberts, Esther Adams (Spec.)	D. C.	†Ronsaville, Marian (Spec.)	Md.
Roberts, Fern V. (Ed. 21)	Iowa	†Ronsaville, Virginia (Spec.)	Md.
Roberts, Ralph S. (Law 11)	Utah	A.B. 1927, The George Washington University.	
Robertson, Edward Donald (Jun. 6)	Iowa	Rooney, Catherine Marie (Ed. 107)	D. C.
Robertson, Frank Wright (Col.)	D. C.	†Root, Felice Babette (Jun.)	D. C.
Robertson, James Louis (Law 111)	Neb.	Rose, Elizabeth Whiting (Jun. 59)	D. C.
Robertson, John William (Jun. 36)	Md.	Rose, Frank William, jr. (Spec.)	N. Y.
Robertson, Robert Hayes (Law 111)	Ill.	Rose, J. Hugh (Jun. 57)	D. C.
A.B. 1927, Wabash College.		Rose, Mary Elizabeth (Jun.)	D. C.
Robertson, Thelma Irene (Jun. 18)	Ill.	Rose, Ralph Hamilton (Eng.)	D. C.
†Robertson, Walter H. (Spec.)	D. C.	Rosen, Harry (Phar.)	
†Robey, Joseph Oliver (Jun.)	D. C.	Ph.G. 1930, The George Washington University.	
†Robie, Norman Pierce (Grad., Ph.D.)	D. C.	Rosen, Philip Israel (Phar. 124)	D. C.
B.S. 1925; M.S. 1929, Worcester Polytechnic Institute.		Rosen, Rose Shirley (Col. 63)	D. C.
†Robinson, Carroll Miller (Jun.)	N. J.	Rosenberg, Bessie Rhoda (Jun.)	D. C.
Robinson, Dorothy (Col. 110)	D. C.	Rosenberg, Paul, (Jun. 17)	Calif.
Robinson, Elizabeth Winona (Ed. 22)	D. C.	Rosenberg, Seymour Joseph (Med. 17)	
Robinson, Howard Randolph (Jun. 11)	D. C.	Rosenberry, Wellington Hendricks, jr.	Pz.
Robinson, Murry Myer (Col. 91)	Md.	(Law 11)	
Robinson, William Junius (Law 111)	D. C.	A.B. 1929, Pennsylvania State College.	N. Y.
Robinson, William Walker (Law 1)	Ky.	Rosenburg, Everett Reynolds (Law 11)	
Roche, William Alfred (Eng. 31)	D. C.	E.E. 1924, Rensselaer Polytechnic Institute.	
Rochester, Vivian Louise (Spec.)	D. C.	Rosendorf, Marian Eunice (Jun.)	D. C.
Rock, Dorothy Virginia (Jun. 36)	D. C.	Rosenfeld, Della (Jun. 9)	N. Y.
Rockwell, Reuben Luckie (Jun.)	D. C.	Rosenfeld, Hyman S. (Med. 111)	
Rockwell, Margaret (Jun. 32)	D. C.	A.B. 1928, The George Washington University.	
Rodgers, Bertha (Ed.)	D. C.	Rosenfeld, Lillian (Col. 50)	
A.B. 1920, The George Washington University.			
Rodgers, George Christman (Law 11)	W. Va.		
B.S. 1929, Davis and Elkins College.			
†Rodgers, Kathryn Shale (Ed.)	D. C.		

Students Registered

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Rosenthal, Anne Henrietta (Law 11) A.B. 1930, The George Washington University.	Va.	Ruth, Dorothy Mae (Col., A.M. 3) A.B. 1930, The George Washington University.	D.C.
†Rosenthal, Lillian L. (Col., A.M.) A.B. 1914, Mt. Holyoke College.	D.C.	Ruth, Robert Walker (Jun.)	D.C.
Rosett, Ruth (Ed. 66)	D.C.	†Rutledge, Alma Willis (Col., A.M. 21) A.B. 1926, University of Illinois.	Md.
Rusoff, Leo (Law 11)	Mass.	Rutter, Ella Purvis (L.S. 103)	D.C.
†Ross, Charles Andrews (Jun. 6)	D.C.	Rutter, Janet Goodwin (Law 11)	D.C.
Ross, Culbertson Whitfield (Col., A.M. 8) U.S. 1926, Alma College.	Mich.	†Ruzicka, Gertrude Johanna Rose (Spec.)	D.C.
Ross, Frances Pritchard (Eng. 83)	D.C.	Ruzicka, Rose Elsie Olga (Col., M.S.)	D.C.
†Ross, Helen Regina (Ed. 82)	D.C.	A.B. 1930, American University.	
Ross, Peter William (Med. 11)	Pa.	Ryan, Clement Joseph (Jun. 29/32)	N.Y.
†Ross, Sallie Francesca (Spec.)	Va.	Ryan, John William (Law 1)	N.Y.
Ross, Stanley Edward (Law 1) B.S. in M.E. 1926, Michigan State College.	Mich.	B.S. in C.E. 1930, Clarkson College of Technology.	
†Rossnet, Anne (Jun.)	D.C.	Ryan, Margaret Frances (Col. 96)	Mass.
Rossow, Bernard Allen (Col. 70)	D.C.	Ryzn, Thomas John (Law 111)	D.C.
†Rothbart, David (Eng.)	D.C.	Graduate, 1925, U.S. Naval Academy.	
Rote, Max Weymouth (Jun.)	D.C.	Ryder, Harriet Milliaship (Jun.)	D.C.
Roth, Delight Rambear (Spec.)	D.C.	Rydgren, Agnes Myrtle (Spec.)	N.D.
Roth, George Martin (Col., A.M.)	D.C.	Ryerson, John Edward (Law 11)	D.C.
†Roth, Louis K. (Spec.)	D.C.	A.B. 1928, University of Maryland.	
Rothchild, John Falk (Jun.)	Idaho	†Ryhn, Arthur Marion (Spec.)	Minn.
Rothrock, Edward Gould (Jun. 18)	Va.	Rykerd, Arthur Chauncey, jr. (Jun.)	Md.
†Roudabush, William Gladstone (Col. 76)	D.C.	†Ryon, Jane Norris (Jun.)	D.C.
Rouse, Ruth Forest (Spec.)	D.C.	†Ryon, Thomas Harvey (Jun.)	D.C.
Rowdybush, Charles Reeves, jr. (Jun.)	D.C.	†Sachs, Milton Samuel (Spec.)	D.C.
Rowdybush, Jessie (Jun. 35)	Md.	B.S. 1930, Armour Institute of Tech- nology.	
Rowe, Grace N. (Nurs. 11)	Md.	Sackett, Alice Lucille (Jun. 28)	D.C.
Rowe, Lionel Lewis (Law 111) Graduate, 1914, U.S. Naval Academy.	Va.	†Sackett, Percy E. (Col., A.M. 5) B.B.A. 1928, University of Washington.	D.C.
†Rowlett, Edith King (Col. 60)	D.C.	Sacks, Harry (Jun. 32)	D.C.
Rowlett, Frank Byron (Spec.)	D.C.	†Saegmuller, Louisa Page (Col. 93)	Va.
†Royce, John Frederick (Eng.)	Ky.	†Sager, Fay (Jun.)	D.C.
Royser, Clark Willard (Med. 1)	Mich.	Sager, Pauline Frances (Jun.)	D.C.
Royster, Frank Gerald (Col. 17)	Minn.	Sagover, Adelbert Bower (Grad., Ph.D.) A.B. 1925, Wayne State Teachers' College.	Neb.
Rubens, Edward Jerome (Jun.)	Cann.	A.M. 1930, University of Nebraska.	
Rubenstein, Lillian (Col. 111)	D.C.	Sagui, Osmando N. (Ed. 75)	P.I.
†Ruck, Louis Blanchard (Jun.)	D.C.	†Sahutov, George Michael (Spec.)	D.C.
†Rucker, A.M.-jr. (Jun.)	Va.	Saidman, Rose Esther (L.S. 59)	D.C.
Rucker, Benman Thompson (Jun.)	Va.	Sailor, Hobart Andrew (Law 1) Graduate, 1918, U.S. Naval Academy.	Ohio
Rucker, Elmer Parks (Jun. 20)	D.C.	St. Clair, Gilbert Lawrence (Jun. 37)	Va.
Rudd, Argene Inabell (Jun. 6)	D.C.	St. Clair, Howard (Eng.)	Va.
Rudd, Elizabeth Draper (Jun.)	D.C.	St. George, Raymond Alexander (Grad., Ph.D.)	Va.
Ruddiman, Harry D. (Govt.)	D.C.	B.S. 1918, Massachusetts Agricultural College.	
Rude, Gilbert Britt (Med. 1)	D.C.	M.S. 1923, The George Washington University.	
Rudner, Cecil (Jun. 36)	N.Y.	St. Omer Roy, James Augustin (Col., A.M. 10)	Nev.
Rudnick, Jo Eileen (Jun. 22)	D.C.	B.S. in E.E. 1930, The George Washington University.	
Ruediger, Imogene Rachael (Ed. 109)	D.C.	†Sakis, George P. (Eng. 41) LL.B. 1930, The George Washington University.	D.C.
†Ruehl, Montra Hazel (Jun. 40)	D.C.	Salica, Michael (Jun. 47)	D.C.
Ruehl, John H. (Col.)	Pa.	Salisbury, Clarence Arnold (Col.)	Kan.
Rue, Raymond (Law 11)	D.C.	Salloom, Edward Adeeb (Jun.)	D.C.
Rulien, Thelma Masinia (Jun. 42)	Md.	†Salomon, Emary Leo (Jun.)	Kan.
†Rulloda, Policarpo Numbia (Jun. 18)	P.I.	†Salomon, Paul Henry (Jun. 27)	Mo.
Runkle, Lloyd Maner (Eng. 42)	D.C.	Salomon, Sylvia (Jun.)	D.C.
†Runyan, Lucile White (Col., A.M.) B.S. 1922, Florida State College.	Fla.	Saltzman, Frank Reno (Law 1)	D.C.
Rupert, James Allison (Law 111) A.B. 1927, Ohio State University.	Pa.	Sampanth, Shadiak David (Jun.)	India
Ruppert, Mary Clare (Jun. 15)	D.C.	Sample, Laurence Henderson (Spec.)	Pa.
Rupprecht, Elsie Christine (Ed. 4)	D.C.	Sample, Lloyd Erle, jr. (Law 111) A.B. 1925, West Virginia University.	W.Va.
Russell, Beatrice M. (Ed. 11)	D.C.	Sampson, Charles Aubrey (Jun.)	Tex.
†Russell, Frank B. (Law 1) A.B. 1930, University of Alabama.	Tenn.		
Russell, George Lucius (Law 111) Graduate, 1927, U.S. Naval Academy.	Vt.		
†Russell, James Lloyd (F.A.)	D.C.		
Russell, Margaret Beveridge (Ed. 55)	D.C.		
Russell, Truss (Col., A.M. 27) A.B. 1929, The George Washington University.	Ark.		
Russo, Carl (Jun.)	D.C.		

Sams, Moylin Moon (Ed., A.M. 3)	Va.	†Schlag, Mary Loretta (Jun. 24)	D.C.
A.B. 1923, The George Washington University.		†Schlecht, William G. (Jun. 51)	Minn.
Samuel, Samuel Loewy (Jun.)	D.C.	†Schlagel, Harry Ferdinand (Jun. 55)	D.C.
Sanborn, Ella Louise (Col. 61)	D.C.	Schlenker, Alvin Carl (Col. 90)	N.D.
Sandberg, Katherine Sophie (Govt. 41)	D.C.	Schlesinger, Marion Isabelle (Col. 61)	D.C.
Sander, Sophia Martha (Jun. 21)	N.J.	Schlosser, Lawrence (Eng.)	D.C.
†Sanders, Bessie Oruber (Spec.)	D.C.	Schlotzhaver, Wesley (Jun. 49)	Ariz.
Sanders, Richard Henry (Jun. 32)	D.C.	Schmidt, George Charles (Jun. 39)	W. Va.
Sanderson, Alice Irene (Ed. 2)	D.C.	Schmidt, Regina Marie (Ed. 104)	D.C.
†Sanderson, James Calhoun (Eng. 17)	D.C.	Schmidt, Ruth Bertha (Jun. 6)	D.C.
Sandidge, Emma Jean (Jun. 33)	Va.	Schmidt, Walter Theodore (Col. 62)	D.C.
Sandusky, Bernard M. (Jun. 30)	N.Y.	Schmitkin, Charles Randall (Col., A.M.)	Ill.
Sanford, Anna-Laura (L.S. 92)	D.C.	A.B. 1921, Hanover College.	
†Sanford, Sarah Frances (Ed. 58)	D.C.	Schmitt, Edwin Alexis (Eng. 115)	Md.
Sanger, Emerson Jacob (Med. 1)	Mich.	†Schmitt, Joy Marston (Spec.)	Md.
Sangster, Frances P. (Jun.)	D.C.	Schmitz, Paul Joseph (Law 1)	Wis.
Sangster, Harold Lee (Eng. 23)	D.C.	B.S. in M.E. 1926, Purdue University.	
†Sannebeck, Frank Adam (Jun. 15)	Mo.	†Schumacher, Henry Abia (Jun.)	D.C.
Sannebeck, Norville Harrison (Col. 97)	Mo.	Schnauffer, Levin West (Spec.)	Md.
Sanner, James Ross (Col. 84)	Pa.	†Schneider, Aurel Frederick (Jun. 26)	D.C.
Santas, Felicimo A. (Ed. 26)	P.I.	†Schneider, H. Audrey (Jun.)	Md.
†Sargent, Edward Miles (Jun.)	D.C.	Schneider, Harold (Phar. 30)	D.C.
†Sargent, William Francis (Col.)	Iowa	Schnell, Nina M. (Jun. 53)	Va.
Saribay, Teofilo B. (Jun. 44)	P.I.	Schnitzer, Alta Hurdelbrink (Jun.)	N.D.
Saulsbury, LaForest Stephen (Law 1)	Me.	†Schnooberger, William (Spec.)	Va.
B.S. 1926, University of Maine.		†Schober, Edward M., jr. (Spec.)	Ark.
†Saunders, Alice Henrietta (Jun.)	D.C.	A.B. 1927, Centre College.	
Saunders, Austin Carter, jr. (Eng. 34)	D.C.	M.S. 1930, The George Washington University.	
Saunders, Donald Hood (Eng. 3)	D.C.	Schoenfelder, Otto W. (Govt. 15)	S.D.
Saunders, Earle Barker (F.A.)	D.C.	Schoenherr, Angela Horton (Jun. 15)	D.C.
Saunders, James Whiting (Col. 60)	Va.	Schoenherr, Karl Ernest (Spec.)	D.C.
†Savage, Francis Martin (Spec.)	D.C.	B.S. 1922, Massachusetts Institute of Technology.	
Savage, Robert Duval (Jun. 42)	Va.	A.M. 1930, The George Washington University.	
†Savard, Fabiola Rolande (Jun.)	N.H.	Schofer, Arthur Julius (Jun. 42)	D.C.
Sawbridge, Ben M. (Col. 91)	D.C.	Schofer, Harry Nathaniel (Law 11)	D.C.
Sawtelle, Matthew Trimble (Jun. 14)	Md.	B.S. in C.E. 1929, The George Washington University.	
†Sawyer, Blanche Boushall (Spec.)	N.C.	†Schoff, Ethel Ruth (Spec.)	N.H.
Sawyer, Grace Henrietta (Jun. 21)	N.C.	Schofield, Helen Louise (Jun.)	D.C.
Sawyer, Richard Leigh (Eng. 101)	D.C.	Schofield, William Wilcox (Law 1)	Mich.
†Saxton, Rexford Nichols (Spec.)	Mass.	Scholten, Dudley John (Law 1)	
Scallan, Aniceta (Jun. 9)	Iowa	A.B. 1930, University of Michigan.	D.C.
Scarborough, Dorothy Lee (Med. IV)	Tex.	Schonrank, Harry Edward (Jun.)	D.C.
A.B. 1928, The George Washington University.		Schooley, Ruth Elizabeth (Jun. 27)	D.C.
Scarborough, Marianne (Med. III)	Tex.	†Schoonmaker, John Barry (Jun. 11)	D.C.
†Scavotto, Carl Louis (Jun.)	Conn.	Schopmeyer, Clifford Scharff (Jun. 37)	D.C.
Schaeffer, Paul Eugene (Law 11)	W. Va.	Schopp, Frances Lee (Ed. 99)	Kan.
Schaffert, Paul Samuel (Spec.)	Pa.	Schrader, Mildred Cecil (Law 11)	D.C.
Schaffert, Thomas Henry (Jun. 25)	D.C.	Schramm, Frederic Bernhard (Law 111)	
Schail, Clayton M. (Med. 11)	Wash.	B.S. in E.E. 1915, Case School of Applied Science.	D.C.
B.S. 1929, University of Washington.		†Schreiber, Arthur Harris (Jun.)	N.Y.
†Scharf, Elise Augusta (Jun.)	D.C.	Schreiber, Maurice Milton (Med. 1V)	
Scharringer, Anna (Jun. 42)	Md.	B.S. 1928, New York University.	D.C.
Schaub, Morris Jefferson (F.A. 109)	D.C.	Schreiner, Carolyn Davis (Jun. 28)	N.J.
Schaub, Pauline Louise (Govt. 73)	Va.	Schubert, Roy Roper (Med. 1V)	Ind.
Scheidel, Otto (Ed. 48)	D.C.	Schukraft, Gladys Evelyn (Jun.)	Wis.
†Schenck, Joseph (Phar.)	D.C.	Schult, Verna May (Col. 72)	Md.
Ph.G. 1930, The George Washington University.		Schulz, Audrey Christina (Col. 93)	N.J.
†Schenken, Alva Marie (Spec.)	D.C.	Schulz, Hugo Otto (Law 11)	
†Schenken, Dorothy Mae (Col. 68)	D.C.	M.E. 1927, Stevens Institute of Technology.	Md.
Scherer, Bernardine (Jun.)	D.C.	Schueler, Helen Anna (Spec.)	
†Scherr, Mary (Spec.)	Md.	B.S. 1927, Johns Hopkins University.	Va.
Schiffer, Harry Bernard (Med. 111)	N.Y.	Schutt, Wallis Cogswell (Eng. 80)	Idaho
A.B. 1929, The George Washington University.		†Schuttler, Norman Nedwin (Law 111)	
†Schiffman, Jane (Ed. 68)	Mo.	B.S. in E.E. 1927, University of Idaho	D.C.
†Schilke, Waldrant (Spec.)	D.C.	†Schutz, Elliott Carlyle (Spec.)	Md.
Schilling, Helen C. (Nurs. 1)	N.Y.	Schutz, Evelyn Elizabeth (Ed. 69)	Kan.
Schimmel, Joseph (Law 11)	Md.	Schwab, Frank Wilbur (Col. 100)	
B.S. in Ch.E. 1923, Carnegie Institute of Technology.			
Schindler, Theresa Elizabeth (Spec.)	N.Y.		

Students Registered

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Schwager, Clara (Spec.)	D.C.	Selvig, Margaret Elizabeth (Col. 87)	Minn.
Schwartz, Abraham T. (Col., A.M. 6)	D.C.	Sena, Richard (Col. 65)	N.J.
B.S. 1925, New York University.		Sennott, Edward Henry, jr. (Eng.)	Mass.
Schwartz, Harry (Jun.)	Mo.	Sentel, Clara (Spec.)	D.C.
†Schwartz, Jean (Jun.)	D.C.	B.S. Virginia State Teachers' College.	
Schwartz, Morris S. (Jun. 44)	D.C.	Sessions, DeForest Edwin (Law 11)	Utah
Schwartz, Sam (Law 11)	Conn.	Settle, Russell H. W. (Jun.)	D.C.
Schwartz, Sylvia Teresa (Ed. 21)	D.C.	Settle, T. Cooke (Eng.)	Tenn.
Schwartzbach, Edith (Spec.)	D.C.	†Severance, Belknap (L.S., A.M.)	Md.
Schwarz, Benjamin Klein (Jun. 32)	D.C.	A.B. 1909, Mt. Holyoke College.	
Schweizer, Evelyn Catherine (Jun.)	D.C.	Severance, Philip (Col., A.M. 12)	Mo.
Scliazza, Albert James (Phar. 70)	D.C.	A.B. 1929, University of Michigan.	
Scoredos, Crist G. (Law 11)	D.C.	Shaffer, Charles Merriett (Med., III)	Pa.
A.B. 1925, The George Washington University.		Shaffer, Dorothy Wilt (Jun.)	D.C.
Scott, Arnold Eden (Col. 82)	Utah	Shaffer, Lester M. (Med. 11)	Pa.
Scott, Frances Marion (Jun. 50)	D.C.	B.S. 1929, Susquehanna University.	
Scott, Francis Patrick (Spec.)	Mich.	†Shaffer, Milo B. (Spec.)	Utah
Scott, Harry Donald (Law 11)	Ill.	Shaffer, Samuel (Col. 90)	D.C.
†Scott, James John (Jun.)	Va.	Shank, John T. (Med. 1)	Ohio
†Scott, Lillian Campbell (Jun.)	N.M.	Shank, Royal G. (Jun.)	D.C.
Scott, Marian Emma (Ed. 57)	Md.	Shanley, Francis Reynolds (Col., A.M.)	Pa.
Scott, Paul Fordham (Eng. 102)	D.C.	B.S. 1927, Pennsylvania State College.	
Scott, Tom Leverett (Jun.)	Ind.	†Shanley, Raymond Joseph (Eng.)	R.I.
Scribner, William Wendell (Col. 24)	Ill.	†Shannon, Grace Deahl (Jun.)	D.C.
Scrivener, Bourdon Francis (Jun. 60)	D.C.	†Shannon, Kathryn O. (Jun.)	D.C.
Scrivener, Frank Edward (Law 11)	D.C.	†Shannon, Prudence L. (Jun.)	D.C.
Scrivener, Milton Emmons (Jun. 18)	D.C.	†Shapiro, Abe Alvin (Jun.)	D.C.
Scull, Muriel Joy (Ed. 26)	D.C.	Shapiro, Arthur (Law 111)	Md.
Scully, Charles Burleigh (Jun. 58)	Mass.	B.E. 1921, Johns Hopkins University.	
†Scully, Thomas Francis (Jun. 10)	D.C.	Shapiro, Frank (Jun. 40)	D.C.
Seaman, Charles Marbury (Spec.)	D.C.	Shapiro, Harry Gerson (Eng.)	D.C.
Seamster, Bernal Delmar (Law 11)	Ark.	Shapiro, Manuel (Spec.)	Mass.
A.B. 1930, University of Arkansas.		Shapiro, Philip (Phar.)	Va.
†Seale, Juliet MacCall (Spec.)	D.C.	Ph.G. 1930, The George Washington University.	
Seaton, Warren (Law 11)	Iowa	Shapiro, Rose (Jun.)	D.C.
A.B. 1926, State University of Iowa.		Sharnoff, Morris (Spec.)	D.C.
A.M. 1927, Harvard University.		Sharp, Freeman Wilfred (Law 11)	D.C.
†Seay, Henry Tilton (Spec.)	D.C.	Sharp, Robert Keith (Eng. 61)	Wash.
Seay, Thomas Hardie, jr. (Col. 108)	D.C.	†Sharpe, Malcolm Spencer (Spec.)	D.C.
Seibrell, William Henry (Col. 100)	Va.	Sharswood, Florence Elinor (Col. 105)	D.C.
Sechrist, Edward Paul (Spec.)	D.C.	†Shauk, Ruth Elinor (Jun. 27)	Md.
Seckler, Samuel (Med. 14)	N.Y.	Shaw, Catherine Louise (Spec.)	Md.
B.S. 1926, College of the City of New York.		A.B. 1930, The George Washington University.	
M.S. 1927, The George Washington University.		Shaw, Charles Edwin (Jun.)	Ill.
Sedlak, Oliver Anton (Col. 93)	Wis.	Shaw, Eugene Carey, jr. (Ed. 68)	D.C.
Seeger, Vivian May (L.S.)	Va.	Shaw, Edgar Monroe, jr. (Spec.)	D.C.
A.B. 1926, New Jersey College for Women.		†Shaw, George Herbert (Spec.)	Pa.
Seegmiller, Arlo Baker (Col. 63)	Utah	†Shaw, Marguerite Dudley (Spec.)	Me.
Seegmiller, Keith Lorraine (Law 11)	D.C.	Shaw, Marian Nichols (Jun.)	D.C.
Seegrift, Theodore A. (Eng. 88)	D.C.	Shaw, Martha Melick (Ed. 50)	D.C.
Seers, Joseph Deodat (Law 111)	Mass.	Shaw, Richard Waring (Law 111)	Kan.
†Seewald, Norman (Spec.)	Calif.	Shaw, Roselia Beatrice (Ed. 104)	D.C.
Seegal, Stanley Marvin (Jun. 36)	D.C.	Shaw, Thomas Martin (Eng. 6)	Pa.
Segaul, Herman J. (Med. 14)	D.C.	Shaw, Thomas Shuler (Col., A.M.)	Idaho
A.B. 1928, The George Washington University.		A.B. 1930, The George Washington University.	
Seibert, Carolyn Eastman (Col. 98)	D.C.	Shawen, Russell T. (Eng. 36)	Va.
Seibold, Myron James (Law 11)	Pa.	†Shea, Aileen (Spec.)	D.C.
B.S. in E.E. 1929, Carnegie Institute of Technology.		†Shea, Martha (Ed.)	D.C.
†Seitz, Joseph Anthony (Jun.)	N.Y.	Shea, Samuel Hazen (Col. 57)	D.C.
Selah, Marian Hughes (Ed.)	D.C.	Sheahan, John (Jun. 37)	D.C.
A.B. 1921; A.M. 1927, The George Washington University.		Shearer, Howard Elsworth (Eng. 119)	D.C.
†Selby, Edith D. (Ed. 48)	D.C.	†Shearer, Ross Sterling (Jun. 42)	Tex.
Selig, Michael Wolfe (Jun.)	N.Y.	†Shearman, Helen (Spec.)	Pa.
Selinkoff, J. Jess (Med. 11)	N.Y.	Sheedy, Leo Patrick (Med. 11)	
A.B. 1929, The George Washington University.		B.S. 1929, University of Pittsburgh.	
Selvig, C. George (Col. 77)	Minn.	†Sheehan, Harold William (Ed., A.M.)	Conn.
		A.B. 1930, St. Bonaventure's College.	
		Sheffield, Eddy Virginia (Col. 67)	D.C.
		Sheimmel, Archie (Med. 1)	N.Y.
		Sheiry, John Slater (Eng. 34)	Md.

Sheldon, Alice Colbert (Law 1)	D.C.	†Siapoosh, Abbas Sattar (Spec.)	Persia
A.B. 1926, The George Washington University.		Sichi, William T. (Med. 1v)	D.C.
*Sheldon, Clifford Arthur (Law 111)	Iowa	A.B. 1930, The George Washington University.	
†Shellhamer, E. Marian (Spec.)	D.C.	Sickler, Donald Reginald (Spec.)	D.C.
Shellhammer, Fern M. (Ed. 57)	D.C.	A.B. 1930, The George Washington University.	
Shellington, John Henry, jr. (Jun. 34)	N.C.	Sickler, Gerald Whitmore (Jun. 40)	D.C.
Shelton, Charles Latimer (Law 11)	Md.	Sieg, Mildred Catharine (Jun. 34)	Pa.
B.S. 1928, University of Maryland.		Siegel, Victor (Jun.)	N.J.
†Shelton, Frederick Davis (Jun.)	D.C.	Siegel, Marie Louise (Ed. 61)	D.C.
Shelton, Frederick DeWitt (Law 1)	Mo.	Sigrist, Rudolf (Eng.)	D.C.
A.B. 1916, Drury College.		†Sigelman, Sylvia (Spec.)	D.C.
Shelton, Stephen Matheson (Col., A.M. 17)	S.C.	Silber, Mary Sophia (Jun.)	D.C.
B.S. 1921, The Citadel.		Siler, Aldine Kieffer, jr. (Law 11)	Pa.
Shepard, Kelvin Kincaid (Eng.)	Md.	Sills, Stephen (Law 1)	D.C.
†Shepard, Paul A. (Spec.)	Iowa	†Silaby, Howard Wiswell (Eng. 133)	Md.
†Shepherd, Richard Thomas (Spec.)	Va.	Silverman, Charles Colman (Jun. 6)	D.C.
†Sheppe, Howard Hamilton (Jun. 49)	D.C.	Silverman, Edwin (Jun. 12)	D.C.
Sherfy, Laurence Polknhorn (Jun. 29)	D.C.	Silverman, Gertrude Paul (Ed. 100)	D.C.
Sherfy, Raphael (Jun. 29)	D.C.	Silverman, Israel (Col. 62)	D.C.
†Sheridan, Elizabeth Katherine (Col., A.M.)	N.Y.	Silverman, Joseph M. (Eng. 86)	D.C.
A.B. 1927, College of Mt. St. Vincent.		Silverman, Louis Charles (Col. 57)	D.C.
Sherier, Elizabeth (Jun.)	Va.	†Silverman, Meyer (Jun. 46)	N.Y.
Sherman, Edward Clayton, ir. (Jun.)	D.C.	Silverman, Morris (Med. 111)	D.C.
Sherman, Kenneth Lee (Eng. 115)	N.Y.	A.B. 1929, The George Washington University.	
Sherman, Theda Buck (Col. 79)	D.C.	Silverman, Sarah (Jun.)	D.C.
Sherrer, Alice Mary (Jun. 32)	D.C.	Silverstone, Miriam (I.S. 5)	D.C.
Sherrerd, James Harold (Govt. 85)	Neb.	†Sim, Raymond William (Spec.)	D.C.
†Sherwin, Charles Allen (Spec.)	Md.	†Sime, Anna Jean (Spec.)	D.C.
Sherwood, William Earl (Law 11)	Ky.	A.B. 1930, The George Washington University.	
B.S. in M.E. 1927, University of Kentucky		Sime, Robert McCormick (Spec.)	D.C.
†Shewmaker, Lillian Alice (Ed., Ph.D.)	D.C.	Simmons, Ben Taylor, jr. (F.A. 37)	N.C.
A.B. 1924; A.M. 1925, The George Washington University.		Simmons, Marcellus Culmer (Law 11)	Urah
†Shewmaker, Roberta (Spec.)	D.C.	A.B. 1928, The George Washington University.	
A.B. 1930, The George Washington University.		Simmons, Victor Leonidas (Col., A.M.)	Md.
Shewmaker, Schuyler W. (Jun.)	D.C.	B.S. 1926, Iowa State College.	D.C.
Shewmaker, Sibel (Ed. 51)	D.C.	†Simma, George Dyson (Spec.)	
Shields, Robert Walker (Eng. 31)	D.C.	A.B. 1929, The George Washington University.	
Shimp, James Harrison (Jun. 37)	D.C.	†Simon, Dorothy V. K. (Spec.)	D.C.
†Shinn, James Edwin (Jun.)	D.C.	†Simon, Everett E. (Jun. 43)	D.C.
Shipper, Mary Fravel (L.S. 79)	W.Va.	Simon, Leon (Law 1)	Ill.
Shively, Wilma Margaret (Jun.)	D.C.	B.S. 1930, University of Illinois.	D.C.
Shivers, Rounds Keloin (Spec.)	D.C.	Simonds, Marjorie Louise (Col. 104)	N.C.
Shockley, Hattie Vansant (Col. 74)	Md.	†Simons, Macen McCorkle (Law 111)	Ore.
†Shoemaker, Charles Gardner (Jun. 30)	Md.	Simonton, Kinsey McLeod (Med. 11)	
Shoemaker, William Henry (F.A. 44)	D.C.	A.B. 1930, The George Washington University.	
Shoemaker, William S. (Eng. 68)	Md.	Simpson, Carol Louise (Ed. 51)	D.C.
Shore, Robey Davis (Med. 1)	N.C.	Simpson, Faust Young (Govt. 15)	Ky.
†Shorey, Elizabeth Frances (Spec.)	D.C.	Simpson, Joseph Bernard (Law 1)	D.C.
Shorey, John Charles (Ed. 80)	D.C.	Simpson, Mary Kirk (L.S.)	Va.
†Shortridge, Arnold Fred (Spec.)	D.C.	A.B. 1898, Grove City College	
†Shorts, Hallie Daniel (Spec.)	D.C.	A.M. 1920, The George Washington University.	
Shosteck, Robert (Jun. 38)	D.C.	Simpson, William Francis (Grad., Ph.D.)	D.C.
Shotwell, James Lewis (F.A. 40)	Va.	B.S. 1920, Catholic University.	
Shoub, Harry (Eng. 27)	D.C.	Sims, Lottie May (Ed. 108)	Md.
†Showalter, Albert K. (Col., A.M.)	Iowa	Sinclair, Barbara (L.S. 93)	D.C.
A.B. 1928, Columbia University.		Sinclair, Daniel Montgomery (Col.)	N.D.
Showalter, Hazel Catherine (Jun.)	Va.	Sinclair, Lee Duree (Jun. 18)	S.D.
Showalter, Virginia Grace (Col. 66)	Va.	†Sinclair, Maurice (Jun.)	Md.
Showman, Fred H. (Jun. 21)	Iowa	Sinclair, Theodore Beall (Phar. 53)	S.D.
Shreehan, Hubert Francis (Med. 1)	N.J.	†Singer, Edith Kohner (Jun. 24)	N.J.
Shreve, Morris Henry (Col. 74)	Md.	Siniscal, Arthur Alfred (Med. 1v)	N.Y.
†Shuken, Morris (Spec.)	D.C.	Sinkov, Abraham (Grad., Ph.D.)	
Shull, Jean Elizabeth (Jun. 28)	D.C.	B.S. 1927, College of the City of New York.	
Shulman, Isidore (Med. 1)	D.C.	A.M. 1929, Columbia University	Turkey
Shupe, Lola Elizabeth (Col., A.M. 15)	Colo.	Sipahi, Rudjhan Nadji (Col. 107)	
A.B. 1928, College of Emporia			
Shupe, Reed Dalton (Med. 11)	Ariz.		
†Shurman, Philip (Jun. 16)	N.Y.		

Students Registered

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Sipkin, George (Law III)	N.Y.	Smith, Horace Wender (Jun. 35)	D.C.
†Sir Louis, Marjorie Angeline (Jun. 27)	D.C.	Smith, Howard Chester (Jun.)	D.C.
Sisson, Mary Trafton (Jun. 33)	D.C.	Smith, Isabelle (Spec.)	D.C.
Sisson, William Eliason (F.A. 76)	N.C.	Smith, James Leo (Law III)	D.C.
Sitton, Floyd Weldon (Law I)	Tex.	B.S. in C.E. 1917, Iowa State College.	
A.B. 1928, Simmons University.		Smith, James Wilson (Col., A.M.)	Md.
Sitz, Walter Hoersch (Law II)	Iowa	A.B. 1930, The George Washington University.	
Graduate, 1916, U.S. Naval Academy.		†Smith, Jane (Spec.)	Mass.
Sixbey, George Lawton (Col., A.M.)	N.Y.	Smith, Jesse Robinson (Law II)	Utah
A.B. 1930, American University.		Smith, John George, jr. (Jun. 34)	N.Y.
Skelly, John Francis (Med. I)	Calif.	†Smith, John Israel (Jun.)	Pa.
Skidmore, Clinton Gay (Eng. 15)	Va.	Smith, John Wallace (Law I)	Ohio
Skinker, Doris (Jun.)	D.C.	Smith, Josie Thomas (Jun.)	D.C.
†Skinner, Frances Bertha (Jun. 24)	D.C.	†Smith, Kenneth Gary (Jun. 12)	N.H.
Skinner, Inez Marguerite (Jun. 35)	D.C.	Smith, LeRoy Heath (Jun.)	Pa.
Skinner, Margaret E. (Spec.)	D.C.	Smith, Lester Allan (L.S. 87)	Okla.
†Slaird, Walter John (Jun. 21)	Minn.	Smith, Lewis Mercer (Law II)	D.C.
†Slattery, Loretta Gertrude (Ed. 82)	D.C.	Ph.B. 1929, Yale University.	
†Slaughter, Julia Bradford (Spec.)	D.C.	†Smith, Louise W. (Spec.)	Utah
Slaughter, Thomas Foster, jr. (Jun.)	D.C.	Smith, M. Gertrude (Ed. 71)	D.C.
†Slavens, Nellie Maude (Jun.)	Kan.	†Smith, Mabel Hile (Jun.)	W.Va.
Slecht, Marie Genevieve (Col. 115)	D.C.	†Smith, Margaret Elizabeth (Jun. 30)	D.C.
Slifer, Nora Oland (Jun.)	W.Va.	Smith, Mary Elizabeth (Ed. 78)	D.C.
Shipyan, Alvin (Med. IV)	N.Y.	Smith, Mary Haley (Jun. 42)	D.C.
Slocum, Henry North (Jun.)	S.C.	Smith, Mary Patricia (Spec.)	W.Va.
Slocum, Giles (Spec.)	Tenn.	Smith, Mary-Virginia (Jun. 55)	D.C.
Slonaker, Edith Elizabeth (Jun.)	W.Va.	Smith, Max Solomon (Col. 57)	Utah
Small, Albert Webster (Col. 90)	D.C.	Smith, Melvin Clyde (Law II)	W.Va.
Smalley, Henry Sonna (Jun. 6)	D.C.	A.B. 1927, West Virginia University.	
Smallwood, Manuel I. (Phar.)	D.C.	Smith, Michael Paul (Jun. 16)	Conn.
Ph.G. 1929, The George Washington University.		Smith, Milton (Phar. 63)	D.C.
Smart, Thomas (Jun. 15)	Okla.	†Smith, Orville F. (Spec.)	D.C.
Smethurst, Raymond Stevens (Law I)	Mass.	Smith, Paul Emerson (Jun.)	Md.
B.S. 1910, Harvard University.		Smith, Pearl Elizabeth (Spec.)	Ill.
Smilgin, Victor Edward (Jun. 36)	Conn.	Smith, Reginald Frank (Law II)	Pa.
Smith, Ann-Eliza (Spec.)	Ill.	Ch.E. 1929, Lehigh University.	
Smith, A. Leonard (Jun. 13)	Pa.	Smith, Robert Olin (Jun.)	D.C.
Smith, Asa Albert (Jun. 30)	Me.	Smith, Roger Don (Eng. 89)	D.C.
Smith, Baxter (Eng. 122)	D.C.	†Smith, Ruth Warren (Spec.)	D.C.
Smith, Berta May (Law I)	Pa.	A.B. 1895, Smith College.	
A.B. 1930, Goucher College.		A.M. 1900, Columbia University.	
†Smith, Bess E. (Jun.)	D.C.	†Smith, William Benjamin (Spec.)	D.C.
Smith, Betty Virginia (Jun.)	Va.	†Smith, William Floyd (Spec.)	D.C.
Smith, Carroll Newton (Col. 72)	D.C.	Smitskamp, Gerhard F. (Jun. 53)	D.C.
Smith, Charles Meldrum (Col., M.S.)	D.C.	Smoot, Charles Effinger (Col. 63)	Pa.
B.S. 1910, University of Pennsylvania.		†Smoot, Henry Kenneth (Col. 106)	D.C.
†Smith, Donna M. (Jun.)	D.C.	Smyser, Edwin Albert (Phar. 33)	D.C.
Smith, Dorothy Fisher (Jun. 29)	Va.	†Snapp, Madelyn Kahrs (Spec.)	D.C.
Smith, Dorothy Maude (Jun.)	Va.	Snedeker, Carl Elton (Jun.)	Md.
Smith, Dorothy May (Col., A.M. 3)	D.C.	†Snider, Minturn Miles (Jun.)	Mo.
A.B. 1928, The George Washington University.		†Snider, Ted Sewell (Jun. 7)	Iowa
†Smith, Dorris J. (Jun.)	Neb.	Sniegowski, John Peter (Eng. 60)	D.C.
†Smith, Edna Moorhead (Jun. 41)	D.C.	Sniegowski, Joseph Marion (Phar.)	D.C.
†Smith, Erith MacDonald (Jun. 44)	D.C.	Ph.G. 1929, The George Washington University.	
†Smith, Esther Martha (Jun.)	N.Y.	†Sniffin, Millard Theodore (Jun.)	D.C.
Smith, Evelyn Mary (Jun.)	D.C.	†Snoddy, Titus Banks, jr. (Jun. 11)	Va.
Smith, Francis Winfield (Ed. 100)	D.C.	†Snow, Alvah Lavern (Spec.)	Mo.
Smith, Frank DeLarme (Law II)	D.C.	†Snow, Barbara Stuart (Jun.)	Va.
B.S. in M.E. 1925, Harvard University.		†Snow, Claude S. (Col. 65)	Utah
Smith, Gertrude Bain (Ed. 86)	D.C.	†Snow, Edith E. (Spec.)	Md.
†Smith, Gladys Mildred (Jun. 40)	Iowa	†Snow, Ralph Dale (Law I)	Utah
Smith, Gordon (Col. 75)	D.C.	†Snow, Richard Higgins (Jun. 9)	Mass.
B.S. 1925, University of Maine.		†Snow, William James, jr. (Law III)	Utah
Smith, Grant Beckham (Eng.)	D.C.	†Snowberger, Garnet (Ed. 107)	Ind.
Smith, Guerry R. (Jun. 21)	D.C.	†Snowden, John William (Jun. 6)	D.C.
Smith, Hazel Albert (Jun. 24)	Mo.	Snure, Anne (Law II)	Md.
Smith, Harvey Nelson (Spec.)	Vi.	A.B. 1928, The George Washington University.	
Smith, Hewitt Wyatt (Med. III)	Md.	†Snure, F. Arlene (Spec.)	Minn.
A.B. 1929, The George Washington University.		†Snyder, Albert Ralph (Law I)	D.C.
Smith, Homer Jay (F.A. 9)	D.C.	†Snyder, Carolyn Hannah (Med. I)	D.C.
		†Snyder, Frances (Jun. 18)	Mo.

Snyder, George Henry Schafer (Col. 99)	D.C.	Spielberg, Solomon (Law 1)	Conn.
Snyder, Henry Sol (Law 11)	D.C.	Spignul, Christine Elizabeth (Jun. 12)	D.C.
Snyder, James Leslie (Med. 11)	Wash.	Spinks, Almon Whitbeck (Eng. 12)	Md.
B.S. 1928; M.S. 1930, University of Washington		Spirito, Michael (Col. 69)	N.J.
Snyder, Lloyd (Eng. 33)	Ind.	Spivak, Joseph Harry (Jun. 15)	Conn.
Snyder, Louis M. (Spec.)	Ohio	†Sponseller, Lenora Marie (Spec.)	D.C.
Snyder, Monica Catherine (Col. 123)	D.C.	Spooner, Beth (Jun. 49)	Kan.
Snyder, Samuel Simon (Jun.)	D.C.	Spotts, Agnes Virginia (Nurs. 1)	W. Va.
Sobotka, Clement John, jr. (Col. 108)	Md.	Spraker, Helena Cramer (Jun. 2)	N.Y.
Socks, Herbert (Phar. 33)	Pa.	†Spring, Frances B. (Ed. 48)	Md.
Soleau, Bertrands (Col., A.M.)	D.C.	Springer, N. Norton (Col. 89)	N.Y.
Ph.B. 1920, Detroit University		Springman, Helen Duvall (Ed. 57)	Va.
Solen, Henry Martin (Jun. 5)	S.D.	Springman, Rose Virginia (Ed. 48)	D.C.
Soler, Leo (Med. 111)	S.C.	Spritzer, Theodore David (Med. 1)	N.J.
Solomon, Louis Morris (Jun. 48)	D.C.	B.S. 1929, M.S. 1930, Rutgers University	
Somers, Charles Irving (Med. 11)	Md.	Sproul, Mary Thornton (Ed. 90)	Ga.
A.B. 1920, St. John's College		Sprunt, Pearl Hays (Spec.)	S.C.
†Somers, Milton Michael (Ed., A.M. 7)	Md.	Squires, Virginia Frances (Jun.)	D.C.
A.B. 1920, Western Maryland College		†Stackhouse, Dorothy Gibstone (Spec.)	D.C.
†Somerville, Dorothy (Col. 22)	Ohio	†Stacy, Edward Iverson (Eng.)	Md.
Sommer, Lazlo S. (Ed. 23)	Mo.	†Stacy, John Albert (Jun.)	D.C.
†Sompayrac, Powell Lawrence (Jun. 12)	Okla.	Stadden, Mary Alice (Jun. 32)	D.C.
†Soper, Cora M. (Spec.)	D.C.	†Stadler, Paul (Spec.)	D.C.
Sorrell, Joseph Ellis (Col., A.M.)	D.C.	Stafford, Jack Michael (Jun. 6)	D.C.
A.B. 1930, The George Washington University		Stafford, Lawrence Egbert (Col., A.M. 3)	D.C.
Sorrell, William George (Jun.)	D.C.	A.B. 1926, University of Minnesota	Kan.
Sosa, Gabriel Raymond (Phar. 80)	Panama	Stahl, Leola M. (Jun.)	Okla.
Souder, Laura K. (Ed. 75)	Md.	†Stalcup, George F. (Col., A.M. 3)	
Southard, George H., III (Jun.)	D.C.	B.S. 1928, Oklahoma Agricultural and Mechanical College	
Sox, Carl Caughman (Med. 111)	S.C.	Stam, Lillian Roberts (Col., A.M. 15)	D.C.
B.S. 1929, University of South Carolina		A.B. 1928, The George Washington University	
Spadavecchia, Ralph (Jun.)	D.C.	Stamm, Marianne (Jun.)	D.C.
Spahr, Effie Mildred (Jun. 50)	D.C.	†Standerton, Tatania P. (Jun.)	Md.
†Spalding, Paul Lester (Jun. 48)	D.C.	Stanley, John Cox (Law 1)	Ky.
†Spangenberg, Charles Byron (Law 1)	Ohio	Stanley, R. E. (Eng. 18)	Va.
B.S. 1930, Case School of Applied Science		Stanley, William (F.A. 80)	D.C.
†Spangler, Arlene Elizabeth (Spec.)	N.C.	†Stant, Aaronson Elwood (Eng. 18)	Va.
Spangler, George Wilt (Law 11)	Pa.	Stanton, Alfred Hodgins (Jun. 6)	Md.
A.B. 1927, The George Washington University		Stanton, Henry Edmund (Eng. 70)	D.C.
Spano, Edward Romualdo (F.A. 102)	D.C.	Staples, Barbara (Spec.)	N.J.
Sparks, Neal Washington (F.A. 31)	Wyo.	Stark, Harry Lewis (Col. 65)	D.C.
Spasoff, Beatrice Virginia (Jun.)	Calif.	Starr, Robert Campbell (Col., A.M. 18)	
Spasoff, John (Law 1)	Calif.	A.B. 1928, The George Washington University	
B.S. in E.E. 1920, The George Washington University		Starratt, Ruth Pickens (Col. 59)	Md.
Spaulding, Augusta deLaguna (Law 111)	D.C.	†Staten, Howard Rolland (Jun. 12)	D.C.
A.B. 1912; A.M. 1913, University of California		Staub, Virginia Reece (Ed. 4)	D.C.
Spear, Joseph Hornsby (Jun.)	D.C.	Staubly, Alan McLean (Eng. 56)	D.C.
Spector, Lillian Rena (Ed. 66)	D.C.	Staubly, Ralph Franklin, jr. (Col. 110)	D.C.
†Speer, Larken (Law 111)	Tex.	Staufer, David Rinehart (Col. 60)	D.C.
†Speer, Lucille Hadley (Spec.)	D.C.	Stauffer, Marcia Cloakley (Jun. 6)	D.C.
Speich, John Emanuel (Eng. 15)	D.C.	†Stauffer, Ruth M. (Spec.)	Okla.
Speiden, Charlotte Louise (Jun. 48)	D.C.	Stayton, Winifred E. (Ed., A.M.)	
Speiden, Jeannette (Col., A.M.)	Md.	A.B. 1926, Central State Teachers College	
A.B. 1928, The George Washington University		Stearley, Gladys Alena (Jun. 12)	Neb.
Speiden, Lucy Leadbeater (Jun.)	D.C.	Stearns, Clifford Robert (Jun. 44)	D.C.
Speight, Margaret (Col. 100)	N.C.	Stearns, Robert Maynard (Law 111)	Iowa
Spence, John McClurkin (F.A. 35)	Va.	Stebbins, Daphne LaZelle (Ed. 44)	D.C.
Spencer, Arline (Col. 74)	D.C.	†Steele, Leon Judah (Spec.)	Ill.
Spencer, David Crismon (Law 1)	Utah	C.E. 1930, Armour Institute of Technology	Idaho
A.B. 1930, University of Utah		Steele, John Winton (Law 1)	D.C.
Spencer, Eleanor Maude (Col.)	N.C.	Steele, Judith Leroy (Col., A.M.)	
†Spengler, Catherine Malette (Spec.)	D.C.	A.B. 1930, The George Washington University	
Spenny, Elsie Frances (Jun. 12)	Ill.	Steele, Mildred Estelle (Ed., A.M. 8)	D.C.
Spenny, William Freeman (Spec.)	Ill.	A.B. 1925, The George Washington University	
Sperry, Josephine (Ed., A.M.)	D.C.	†Steele, Truxton Sumner (Col.)	Idaho
B.S. 1902, The George Washington University		Steenrod, Virginia Ruth (Law 111)	Ohio

Students Registered

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Steffes, Raymond Henry (Jun.)	D.C.	Stolar, Hannah Hesse (Jun. 44)	D.C.
†Steffey, Janeva Detric (Spec.)	Pa.	Stolar, Myer Harold (Jun. 9)	D.C.
†Steger, Mary Isabelle (Jun. 6)	Ohio	Stolar, Robert (Col. 126)	D.C.
Stehman, John Harold (Col., A.M.)	Va.	†Stone, Burnley Thomas (Eng. 36)	Va.
A.B. 1930, The George Washington University		Stone, Charles Leonard (Ed., A.M.)	D.C.
Stein, Carriem (Jun.)	S.D.	A.B. 1919, The George Washington University	
Stein, Colman Hrez (Jun. 42)	D.C.	Stone, Charles Parker, jr. (Law 11)	D.C.
Stein, Elizabeth (Ed. 102)	D.C.	A.B. 1923, Yale University	
Steiner, Alexander Watman (Col. 62)	N.J.	Stone, Franklin Martin (Law 1)	Minn.
Steiner, Edward Thomas (Col. 23)	Wis.	†Stone, Frederic N. (Spec.)	Mass.
Steingold, Moses (Col. 103)	Pa.	A.B. 1903, Amherst College	
Steinman, Hyman Erwin (Med. 111)	D.C.	LL.B. 1912; M.P.L. 1912, Georgetown University	
Stepakof, Harry (Col. 81)	Conn.	Stone, Gordon Oliver (Jun. 37)	Va.
Stephanoff, A. Eugene (Eng. 3)	D.C.	†Stone, Lillian Helen (Col. 69)	Mass.
†Stephens, Charles Lee (Law 1)	D.C.	Stone, Norman (Spec.)	Mass.
Stephens, Francis Devereaux (Law 1)	D.C.	Stoner, George B. (Col., A.M.)	Pa.
B.S. 1910, University of Maryland		Ph.B. 1927, Yale University	
Stephens, Thomas (Law 111)	D.C.	LL.B. 1928, Yale Law School	
B.S. 1928, University of Maryland		Stoner, Mabel McLaughlin (Spec.)	Calif.
Stepler, Harold Gordon (Jun. 18)	Ind.	A.B. 1926, Irving College	
Sterling, Robert J. (Jun.)	Ill.	Storch, L. Lucile (Jun.)	D.C.
Sterrett, William Dent (Col. 70)	D.C.	Storey, Arthur (Jun. 30)	D.C.
Sterritt, John Calhoun (Law 11)	Pa.	†Storey, Thomas Martin (Spec.)	D.C.
M.E. 1928, Cornell University		Story, Virginia Helen (Jun. 9)	D.C.
Stewart, Allen Wesley (Jun.)	Va.	Stough, E. Margaret (Jun. 45)	Ind.
Stewart, Gordon (Jun. 58)	Va.	Stour, Agnes J. (Col., A.M.)	D.C.
Sevens, Dorothy Eliza (L.S. 28)	N.Y.	A.B. 1930, The George Washington University	
Sevens, Henry (Grad., Ph.D.)	D.C.	Stout, Robert William (Jun.)	D.C.
B.S. 1921; M.S. 1923, University of Wisconsin		Stover, John Lewis (Law 11)	Pa.
Stevens, Leslie Rexford (Col. 60)	N.Y.	Strader, Frank, jr. (Jun. 16)	Va.
Stevens, Lucille Lenore (Spec.)	D.C.	Strandell, Everett Leonard (Jun.)	Minn.
Stevens, Welby Reed (Col., A.M.)	D.C.	†Straus, Sylvia P. (Jun.)	D.C.
A.B. 1930, The George Washington University		†Straus, Victoria S. (Spec.)	D.C.
Stevenson, Frederick Charles (Jun.)	N.J.	Strauss, Albert James (Jun. 35)	D.C.
Stevenson, Leland Ernest (Med. 4)	Utah	Strauss, Edward (Jun. 38)	N.J.
Stevingson, David Jerome (Col. 63)	Wis.	†Strausser, Paul, W. C. (Spec.)	D.C.
Stevlingson, Edward Christian (Jun. 12)	Wis.	Strawbridge, Francis Neilson (Med. 111)	D.C.
†Stewart, George Emery (Law 1)	Utah	A.B. 1929, The George Washington University	
Stewart, Gilbert Vance (Jun. 18)	Ill.	Strawn, Caludia (Col. 94)	Tex.
Stewart, Henry Howell (Col. 64)	D.C.	†Streator, Alice Mary (Jun.)	D.C.
†Stewart, Lettie Ethel (Ed., A.M. 15)	D.C.	Street, John Ellsworth (Jun. 30)	D.C.
A.B. 1918, The George Washington University		Streeter, Ruby Delmar (Jun.)	Ore.
Stewart, Marion (F.A.)	D.C.	Streert, Gilbert Carlyle (Jun.)	D.C.
A.B. 1930, The George Washington University		Streert, Margaret Hope (Col., A.M. 2)	D.C.
Stickley, Allen Raymond (Col., A.M.)	Va.	A.B. 1929, The George Washington University	
A.B. 1924, Lynchburg College		Stringham, Marjorie Elizabeth (Ed.)	Va.
†Stridham, Ruth Service (Col., A.M.)	D.C.	Strizak, Joseph Peter (Law 1)	Ind.
A.B. 1927, Swarthmore College		B.S. in E.E. 1928, Carnegie Institute of Technology	
Still, Samuel Hutchins, jr. (Law 1)	S.C.	Strobel, Ruth Alberta (Ed. 30)	D.C.
A.B. 1929, The Citadel		Strock, Rena Niesley (Spec.)	D.C.
†Stillwell, Caro Owens (Spec.)	D.C.	Struthers, Francis William (Spec.)	Va.
Stimson, Jesse LeRoy (Jun. 26)	D.C.	Struve, Katherine Giles (Ed., A.M.)	Md.
Stinson, Christine Clive (Spec.)	Va.	A.B. 1924, Wellesley College	
Stirewalt, Margaret Elizabeth (Jun.)	D.C.	Stryker, Rose Margaret (Ed. 79)	D.C.
Stirton, Alexander James (Col., A.M.)	D.C.	Stuart, Richard Franklin (Jun. 6)	Utah
B.S. 1930, College of the City of Detroit		Stubbs, Donald Harrison (Ed., Ph.D.; Med. 111)	D.C.
Stivers, Elizabeth Deanne (Spec.)	D.C.	A.B. 1929, The George Washington University	
†Stock, James Stevens (Jun.)	Md.	Stubbs, Joseph James (Col., A.M. 8)	S.C.
Stockar, Lucy Rebecca (L.S. 99)	Ohio	B.S. 1923, The Citadel	
Stockmann, Leroy Leonard (Spec.)	D.C.	†Studdiford, Phebe Speer (Spec.)	D.C.
Stoddard, Sanford Miller (Law 1)	Iowa	Stukes, James Edward (Law 111)	Ga.
Stodghill, Tom T. (Spec.)	D.C.	Stukes, Lionel Chalmers (Law 111)	Ga.
Stofberg, Charles (Jun. 32)	Md.	Stull, Harold Webster (Law 11)	Pa.
Stohl, Carl Gust (F.A. 14)	Ill.	A.B. 1928, Pennsylvania State College	
Stohl, Clark Nelson (Jun. 27)	Utah	Stultz, Harold Leland (Law 1)	Ind.
†Strohlman, Mary Helen (Ed. 34)	D.C.	B.S. in E.E. 1930, Purdue University	
Stokes, Louise Virginia (Col. 94)	D.C.		
Stolar, Annie Sylvia (F.A. 93)	D.C.		

Stumm, Erwin Charles (Col. 76)	D.C.	2Sweeney, Constance Dorothy (Spec.)	D.C.
Stuntz, Stephen Conrad (Jun.)	Va.	Sweeney, Mabel Anne (Jun. 18)	Va.
Sturgis, Hugh Legare (Law 1)	Md.	Sweeney, William Timothy (Col., M.S. 8)	Va.
A.B. 1921, The George Washington University.		A.B. 1927, The George Washington University.	Ohio
Sturm, Edna L. (Col. 84)	Ind.	2Sweeney, Charles Amos (Law 1)	Minn.
2Sturtevant, Winfred Lyle (Jun. 14)	Kan.	Swenson, Bennett (Col., A.M. 18)	
2Sturtevant, Charles Lyon, jr. (Law 1)	D.C.	A.B. 1925, Gustavus Adolphus College.	Minn.
Stryer, Truman Leonard (Law 11)	Idaho	2Swenson, Edna C. (Spec.)	Minn.
B.S. in E.E. 1928, University of Idaho.		Swenson, John Arthur (Col., A.M. 30)	
Suber, James Whitley (Spec.)	D.C.	A.B. 1928, Gustavus Adolphus College.	
B.S. 1928, Mississippi Agricultural and Mechanical College.		Sweet, Albert Goodwin (Spec.)	Me.
A.M. 1930, The George Washington University.		Swick, Helen Marjorie (Jun. 32)	Tex.
Suescum, Timothy C. (Med. 1)	Ecuador	2Swift, Calvin E. (Jun.)	W.Va.
2Sugar, Oscar (Jun.)	D.C.	Swiger, Dorothy Mae (Nurs. 1)	D.C.
Sugar, Samuel Jacob (Phar. 71)	D.C.	2Swinburne, Arthur Francis (Law 11)	D.C.
Sullivan, Anna Regina (Spec.)	N.Y.	2Swindells, James Fisher (Col. 58)	D.C.
Sullivan, Anne Edmundo (Ed. 198)	Iowa	Swingle, Lester Monroe (Eng. 101)	D.C.
Sullivan, Clara Parker (Ed., Ph.D.)	Md.	2Swope, Bradford (Col. 100)	N.M.
B.L. 1911, Brenau College.		Swope, Edwin Leon (Jun. 12)	S.C.
A.M. 1927, The George Washington University.		Swords, Alma Marie (Col., M.S.)	
Sullivan, George David (Law 11)	N.Y.	B.S. 1929, University of South Carolina.	D.C.
Graduate, 1927, U.S. Naval Academy.		2Sweet, Mary Helen (Co., A.M.)	
Sullivan, Gordon Hamilton (Jun. 18)	S.D.	B.S. 1927, Winthrop College.	Mass.
Sullivan, James B. (Ed., Ph.D.)	Mo.	Sykes, Harold James (Spec.)	D.C.
A.B. 1912, Mercer University.		2Sykes, Mal Yerger (Jun. 30)	Ind.
A.M. 1922, Columbia University.		Symmes, Frank Aaron, jr. (Law 1)	Utah
Sullivan, John Lawrence (Jun.)	D.C.	A.B. 1929, Butler University.	Hungary
Sullivan, Marie Elizabeth (Col. 111)	N.Y.	2Syphers, Grant E. (Jun.)	
Sullivan, Mary Carmel (Col. 102)	D.C.	Szechony, Cornelia (Spec.)	D.C.
Sullivan, Nana Frances (Col. 103)	D.C.	Tahinski, Marie Beatrice (Jun. 32)	Va.
Sullivan, Norbert P. (Med. 1)	N.Y.	Tait, Robert, jr. (Col.)	D.C.
Sullivan, Richard Thornburgh (Jun. 47)	D.C.	Talbott, Bertie May (Ed. 10)	D.C.
Sullivan, Ruth Eugenia (Col. 69)	Ill.	Talbott, George W. (Eng.)	Va.
Sullivan, Verne Raymond (Eng. 86)	Wis.	Taliaferro, Julia Crawford (Ed., Ph.D.)	
2Sullivan, Vincent Leo (Jun.)	D.C.	A.B. 1927, A.M. 1930, The George Washington University.	D.C.
Summerhays, Joshua Beamon (Law 11)	Utah	Talley, Richard B. (Jun.)	Ohio
Summers, Catharine Snowdon (Ed. 52)	Va.	2Tanshull, Edith (Spec.)	Utah
Summers, Frank Calhoun (Law 11)	Neb.	Tanner, John H. (Law 1)	Utah
B.S. in C.E. 1929, University of Nebraska.		Tanner, Ivins Snow (Med. 111)	D.C.
Summersville, Wayne Leslie (Eng. 36)	Pa.	2Tappley, Anne Halliday (Jun.)	S.C.
Sunderwirth, Leetta Ackley (Jun. 16)	Colo.	Tarpley, Pauline E. (Nurs. 1)	Mo.
Suraci, Alfred John (Jun. 36)	D.C.	Tarwater, Elmer Lee (Eng. 12)	D.C.
Suraci, Frank Paul (Spec.)	D.C.	Tasch, Leon Anthony (Law 103)	S.C.
2Suraci, Lillian Amelia (Ed. 18)	D.C.	Tatum, Charles Carson (Jun. 6)	Ark.
2Surasky, Lillian (Spec.)	S.C.	2Tatum, Homer (Spec.)	D.C.
A.B. 1923; A.M. 1924, Winthrop College.		Taub, Kalman (Jun. 18)	Va.
Susan, Frank Austin (Med. 111)	Pa.	2Tavener, Janet D. (Spec.)	N.Y.
B.S. 1910, University of Pittsburgh.		Taylor, Alfred Lindsay (Law 111)	
Sussman, Mirrie (Jun. 12)	N.J.	E.E. 1923, Rensselaer Polytechnic Institute.	Tenn.
Suter, James Marion (Med. 1)	D.C.	Taylor, Alfred William (Spec.)	Indiana
A.B. 1930, The George Washington University.		2Taylor, Ansel Nowel (Jun. 39)	D.C.
Suter, Jesse Courtney, jr. (Spec.)	D.C.	Taylor, Benjamin Comogys (Eng. 6)	D.C.
Sutton, Anne Claudia (Ed. 96)	Va.	2Taylor, Bertha Elmore (Ed., A.M.)	
Sutton, Sarah Jane (Col. 83)	D.C.	A.B. 1926, The George Washington University.	Wash.
Sowan, Thong Dies (Phar. 11)	D.C.	Taylor, Dwight D. (Law 111)	Va.
Swadley, Mary Elizabeth (Jun.)	D.C.	Taylor, Edith Push (Jun. 45)	D.C.
Swain, Esther Merle (Col., A.M.)	Mich.	Taylor, Eva Neel (Jun.)	Utah
A.B. 1927, The George Washington University.		Taylor, G. Douglas (Jun. 53)	D.C.
Swan, Elizabeth Campbell (Jun.)	Va.	Taylor, Iaskie Lee (Jun.)	D.C.
Swan, Irene Frances (Jun. 10)	D.C.	2Taylor, Jarvis M. (Jun.)	Md.
Swanberg, Charles, jr. (Jun.)	D.C.	Taylor, John Elsworth (Jun.)	D.C.
Swanson, Harold Axel (Law 1)	Mass.	Taylor, John Keenan (Jun. 28)	D.C.
Swartwout, John Alden (Jun. 44)	D.C.	Taylor, Malcolm (Col. 70)	D.C.
Swayze, John McFarland (Jun.)	D.C.	Taylor, Marjorie White (Spec.)	Va.
Sweeney, A. Edward (Spec.)	Md.	2Taylor, Melva Keller (Ed.)	
		2Taylor, Richard L. (Jun.)	

Taylor, Roberta Ellen (Jun. 12)	D.C.	Thompson, Paul Gladstone (Law, LL.M.) Tex	
Taylor, Rolla Holmes (Eng. 74)	Utah	A.B. 1904, Burleson College	
†Taylor, William A. (Jun.)	Del.	A.B. 1906, Baylor University	
Taylor, William Morris (Law 11)	Calif.	LL.B. 1911, University of Texas	
Teepe, Elizabeth Ada (Ed. 78)	D.C.	†Thompson, Rose Mary (Ed. 65)	D.C.
Tempero, Velma A. (Jun.)	Kan.	Thomson, Claudia (Col. 114)	D.C.
Tendler, Max Melville (Law 111)	D.C.	Thomson, William P. (Jun. 52)	D.C.
†Tenney, E. Paul (Law 1)	D.C.	Thönssen, Ruby Ella (Spec.)	D.C.
A.B. 1926, Stanford University		A.B. 1925, The George Washington	
Tenney, Robert Innis (Jun. 52)	D.C.	University	
†Tennyson, James Anna (Ed., A.M. 10)	D.C.	Thorne, Francis Bowen (Spec.)	D.C.
A.B. 1925, The George Washington		†Thorne, Gerald Barclay (Spec.)	Md.
University		Thornton, John Francis (Jun. 17)	Va.
Tennyson, Joseph Burch (Col., M.S. 14)	D.C.	Thornton, Joseph Eugene (Law 1)	Neb.
A.B. 1928, The George Washington		A.B. 1928, Nebraska State Teachers'	
University		College	
Tepper, Ban J. (Spec.)	D.C.	†Thorpe, Helen M. (Jun. 9)	D.C.
B.S. 1925, University of Pennsylvania		Thrasher, Frances Loraine (Jun.)	Va.
Tepper, Gladys Devera (Jun. 24)	D.C.	Throckmorton, Olga Estelle (L.S. 47)	D.C.
†Tepper, Isaac (Spec.)	D.C.	Thume, Frieda Alice (Spec.)	D.C.
Terrell, William Daudridge (Med. 1)	Va.	†Thummel, Elizabeth B. (F.A.)	D.C.
Terrill, Louise Walker (Jun.)	Idaho	Thurston, Evangeline (Ed., A.M. 19)	D.C.
†Terry, Eileen R. (Spec.)	Pa.	A.B. 1926, The George Washington	
B.S. 1927, Skidmore College		University	
Terry, Eather Tuttle (Ed. 64)	D.C.	†Tibbals, Edward Alden (Spec.)	Md.
Terry, George Harold (Jun.)	Pa.	Ticknor, Margaret (Spec.)	D.C.
Terry, George McGrew (Law 11)	Okl.	†Tiencken, Wilfred P. (Spec.)	D.C.
Terry, Robert Lynwood (Jun. 36)	D.C.	Tigel, Sylvia (Ed., A.M.)	N.Y.
†Tessada, Lucia Esteranza (Jun.)	D.C.	A.B. 1930 Hunter College	
Thacker, John William (Col. 90)	D.C.	†Tihen, Katherine M. (Spec.)	Mo.
Thaxter, John Hall (Jun. 24)	Ill.	Tiley, George Arthur (Med. 1)	Pa.
†Thessell, Mildred S. (Ed., A.M.)	D.C.	Tillema, John Albert (Law, LL.M.)	D.C.
A.B. 1928, The George Washington		A.B. 1914, Hope College	
University		A.M. 1917, University of Michigan	
Thickatun, William Russell (Eng.)	D.C.	Ph.D. 1924, Washington University	
†Thoenen, Kathryn (Jun. 16)	D.C.	LL.B. 1928, The George Washington	
Thoes, Alberta S. (Jun.)	Kan.	University	
Thom, Alfred Pembroke, III (Jun. 36)	D.C.	Tillotson, John Wallace (Law 1)	Ill.
Thom, Beatrice (Col. 90)	D.C.	Tilson, Albert Holmes (Jun. 12)	Va.
Thom, Charles Richard (Jun.)	D.C.	Tilly, Ella Porter (Col. 68)	D.C.
Thom, Emma Mertins (Spec.)	D.C.	†Timchenka, Boris V. (Jun.)	D.C.
A.B. 1927; A.M. 1930, The George		†Timbal, Levy Rhame, III (Eng.)	D.C.
Washington University		†Ticcomb, Oliver Stanley (Law 111)	Mass.
Thom, G. Chester (Eng. 113)	D.C.	†Titman, Jabez Ervin (Jun. 20)	N.J.
Thom, Herbert Conrad Schlueter (Eng.)	Md.	Titus, Edward Farrell (Jun. 6)	D.C.
Thomas, Allan Morton, jr. (Eng.)	D.C.	Titus, Harry Waltener (Grad., Ph.D.)	D.C.
†Thomas, Anna Louise (L.S. 6)	D.C.	A.B. 1918; A.M. 1925, University of	
†Thomas, Anna Pearl (Spec.)	D.C.	Wyoming	
Thomas, Arthur Nicholas (Jun. 6)	D.C.	Toledo, Adalberto Perez (Med. 11)	P.R.
†Thomas, David Scott (Jun. 30)	D.C.	Tolstoi, George (Jun. 6)	D.C.
Thomas, Edwin Moromi (Eng. 65)	Colo.	Tomlin, Carl William (Eng. 86)	Mo.
†Thomas, Eula C. (Ed. 19)	D.C.	Tompkins, Raymond Irving (Eng. 105)	Fla.
†Thomas, Frederick (Spec.)	D.C.	Tone, George LaRue (Law 1)	Pa.
Thomas, Gladys Irene Frances (Jun. 24)	D.C.	A.B. 1930, Washington and Jefferson	
Thomas, George Samuel (Spec.)	Ill.	College	
Thomas, John Roy (Col. 66)	N.Y.	Toppertman, Samuel (Med. 11)	N.Y.
Thomas, Luta Marguerite (Jun.)	D.C.	†Toppins, Desmond William (Eng.)	D.C.
Thomas, Madelene A. (Jun. 3)	Mo.	†Torbert, Janet Louise (Ed. 52)	D.C.
†Thomas, Marion Matilda (Jun.)	D.C.	†Torbert, Janet Whitcomb (Spec.)	D.C.
Thompson, Effie (L.S. Uncl.)	Utah	Torcasio, Gaspar Michael (Med. 1)	D.C.
†Thompson, Florence W. (Spec.)	D.C.	†Torpy, Louis Ray (Spec.)	N.Y.
Thompson, George Richard (Jun. 12)	D.C.	†Torrey, Anna Pailgett (Spec.)	D.C.
Thompson, Irvin Stewart (Law 111)	D.C.	*Torrey, Morgan Caywood (Law 111)	D.C.
B.S. 1927, The George Washington		†Torrey, Ware (Spec.)	D.C.
University		†Toulouse, Donald Wayne (Spec.)	N.M.
Thompson, James Baxter, jr. (Jun.)	Tenn.	Towberman, Alden Johnson (Jun. 9)	Va.
†Thompson, Josephine Vail (Spec.)	D.C.	Towberman, George William (Jun.)	Va.
Thompson, Margaret Evelyn (Jun.)	Va.	Townsend, Louise Scanborough (Col.,	
*Thompson, Maury Weldon (Ed., A.M.)	Va.	A.M.)	D.C.
A.B. 1928, College of William and		A.B. 1930, University of Maryland	
Mary		Townsend, Eleanor Ellsworth (Jun. 18)	D.C.
Thompson, Nathaniel P. (Law 1)	Ill.	Tove, Francis Gerald (Law 11)	Wash.
Thompson, Owen Gardner (Col. 74)	D.C.	B.S. 1927, Clarkson College of	
		Technology	

Traband, Fred William, jr. (Eng.)	D.C.	Turregano, Mary (Col., A.M.)	La.
Traband, Juliet Adelaide (Ed. 94)	Md.	A.B. 1929, Louisiana College.	
†Tracy, Elizabeth Paden (Spec.)	D.C.	Tweeddale, Ralph Landon (Law 11)	N.Y.
†Tracy, Ethel Wynne (Ed. 6)	D.C.	Twining, Merrill Barber (Law 11)	D.C.
Trantham, Forrest F. (Spec.)	D.C.	Graduate, 1923, U.S. Naval Academy.	
Trantham, Harold D. (Phar.)	D.C.	†Twining, Vivian Deeve (Jun. 47)	D.C.
Ph.G. 1930, The George Washington University.		†Tyne, Margaret Virginia (Ed.)	D.C.
Traver, Floyd Dillon (Eng. 32)	D.C.		
Tremain, Rawleigh Lewis (Law 11)	N.C.	†Uhl, Orvil Michael (Spec.)	D.C.
A.B. 1921, Guilford College.		Uhl, Melanie Emily (Col., A.M.)	Mass.
A.M. 1926, University of North Carolina.		A.B. 1930, The George Washington University.	
Trembley, Helen Louise (Jun. 55)	D.C.	Ulanitzky, Irene S. (Jun.)	Pa.
Tremearne, Thomas Harold (Col. 57)	D.C.	Ullman, Gerrold Berthold (Col. 60)	D.C.
Trenis, Bertrand E. (Jun.)	D.C.	†Ulm, Adelaide (Jun.)	D.C.
Trent, William Carmichael (Jun.)	W.Va.	Umberger, Ernest Joy (Jun.)	S.D.
Tribou, William Stevens (Eng.)	Mass.	Umhau, Katharine Sophia (Spec.)	D.C.
†Trickett, Edythe Lucille (Ed., A.M.)	Pa.	Underwood, Mary Louise (Spec.)	D.C.
A.B. 1917, Ohio State University.		A.B. 1916; A.M. 1924, The George Washington University.	
Trilery, O. Edward (Law 11)	Neb.	†Upton, Catherine A. (Jun. 21)	Iowa
A.B. 1928, The George Washington University.		Upton, Roy James (Jun.)	Iowa
Trilling, Charles (Col., A.M.)	N.Y.	†Urciolo, Raphael Gerald (Spec.)	D.C.
B.S. 1929, College of the City of New York.		Uribe, Diego William (F.A.)	Colombia
Trimble, Agnes (Col. 64)	D.C.		
Tritle, Edward Milton (Jun.)	Ill.	Vaccaro, Mary Josephine (Grad., Ph.D.)	D.C.
Troche, Carmen (Med. 111)	P.R.	A.B. 1924; A.M. 1926, The George Washington University.	
Troshinsky, Theodore Kassell (Jun. 21)	D.C.	Vaiden, Ermytrude Virginia (Col., A.M. 21)	D.C.
Troth, Doris Shirley (Jun. 41)	D.C.	A.B. 1927, The George Washington University.	
†Trouland, Walter R. (Jun.)	D.C.	Vallesteras, Pastor Cristobal (Jun. 30)	P.I.
Troxel, Mildred Mae (Ed. 94)	D.C.	VanBrakle, Elizabeth (Spec.)	D.C.
Trozze, Richard D. (Med. 1)	N.Y.	VanCasteel, Mary Geraldine (Col., A.M.)	D.C.
†Trucks, Malcolm Davidson (Jun.)	D.C.	A.B. 1927, The George Washington University.	
†True, Robert Gordon (Jun. 9)	Utah	VanDeman, Wilma Estella (Col. 87)	Ind.
Truesdell, Henry Palmer (Law 1)	N.J.	VanDemark, Grant Williamson (Spec.)	D.C.
C.E. 1930, Cornell University.		VanDyke, Lawrence Adelbert, jr.	Utah
Truitt, Lillie May (Jun. 31)	D.C.	(Law 11)	D.C.
Trushheim, Eva Mildred (Ed. 101)	D.C.	†VanHise, Lottie Adele (Spec.)	Tex.
Tschiffely, Dolly Ball (Col. 62)	D.C.	VanHorn, F. L. (Spec.)	
†Tse, Kwan Park (Jun.)	D.C.	VanLandingham, Zack Jennings	Miss.
†Tse, Sky (Spec.)	China	(Law 11)	
Tsiang, I. Mien (Govt., A.M.)	Java	A.B. 1926, University of Mississippi.	
A.B. 1921, Ohio Wesleyan University.		†VanMeter, Charles Leslie (Spec.)	D.C.
Tsunoda, Kimi (Col. 80)	Japan	VanMeter, Kenny Chambers (Law 11)	W.Va.
Tuck, Ruth Elizabeth (Ed. 58)	D.C.	VanOrmer, Elizabeth (Ed. 56)	Pa.
Tucker, Marion Louise (Jun. 30)	D.C.	VanTassel, Oliver Elenor (Jun.)	Wis.
Tugman, J. Alfred (Spec.)	D.C.	VanVranken, Eugene T. (Spec.)	Kan.
Tuhy, Stephen, jr. (Jun. 39)	Minn.	Vardaman, Marie (Spec.)	Ala.
Tullar, Irving Meredith (Law 111)	Ill.	Vartia, Karl O. (Eng.)	Mont.
A.B. 1915, Albion College.		†Vassar, Lois Foster (Jun.)	D.C.
A.M. 1916, Columbia University.		†Vaughan, Frances Elizabeth (Jun.)	Ark.
Tullar, Paul E. (Col., M.S.)	Mich.	Vaughan, Thomas Rae (Jun. 27)	Ill.
A.B. 1925, Albion College.		Vazquez, Rodrigo (Jun.)	D.C.
Tulloch, Eleanor A. (Col. 93)	Okla.	†Veaz, David (Jun.)	D.C.
Tulloch, Leticia Arvilla (Jun.)	Okla.	Veazie, Rosalind (Spec.)	D.C.
Tuneff, Dimitry Dimitrievich (L.S.)	D.C.	†Velosay, Edmund Leslie (Law 11)	Ind.
A.B. 1930, The George Washington University.		Vendel, John Robert (Law 1)	
†Tunell, George (Spec.)	D.C.	B.S. 1929, Rose Polytechnic Institute.	D.C.
Tupper, Margaret Lyles (Jun.)	D.C.	†Venerosa, George Louis (Jun.)	Md.
Turgeon, Edward Philip (Law Spec.)	R.I.	Venezky, Julian (Law 11)	Ill.
†Turner, Betty Bailey (Spec.)	D.C.	Vennewitz, Dorothy Carolyn (Spec.)	Utah
Turner, Jettie (Jun. 52)	Tex.	Vernon, Clinton DeWitt (Law 111)	Ohio
Turner, Julian Buford (Col. 106)	Va.	Vesey, J. Howard W. (Law 111)	D.C.
†Turner, Mary Elizabeth (Ed. 48)	D.C.	†Vesper, William H. (Eng.)	D.C.
Turner, Oscar A. (Spec.)	Ill.	Vezien, Harry Paul (F.A. 39)	Mass.
Turner, Otis Lee (Eng. 149)	Va.	Vibber, Alfred Wheeler (Law 1)	
†Turner, Paul Jones (Jun. 18)	Tex.	B.S. 1930 Worcester Polytechnic Institute.	
Turoff, Dora Miriam (Law 1)	D.C.		
A.B. 1929, The George Washington University.			

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Vickers, Rose Margaret (Col., A.M. 12)	D.C.	Wallace, Florence Catherine Marie (Spec.)	D.C.
A.B. 1925, The George Washington University.		A.B. 1927; A.M. 1930, The George Washington University.	
Viehmann, Catherine Marie (Spec.)	D.C.	Wallace, George Lloyd (Law II)	D.C.
Vilander, Leona Mathilda (Jun. 6)	Kan.	Wallace, Jesse Rink (Law II)	Ill.
Villegas, Dominador R. (Jun.)	P.I.	Graduate, 1922, U.S. Naval Academy.	Ohio
Vincol, Edna B. (Spec.)	D.C.	Wallenstein, Sydney (Law II)	
Vinitzkowsky, Rose (Jun. 13)	D.C.	B.S. 1928, Case School of Applied Science.	
Virmelson, Kelton S. (Spec.)	D.C.	Waller, Fred E. (Col. 16)	D.C.
Vivian, John Taylor (Jun. 52)	D.C.	Waller, Philip David (Jun. 36)	Ind.
Voelcker, Viola M. (Spec.)	D.C.	Walsh, Anna Gertrude (Ed. 84)	Mass
Vogel, Leona Katherine (Jun. 12)	Va.	Walsh, Frank Alexander (Jun.)	D.C.
Vogt, Albert James, jr. (Jun. 18)	D.C.	Walshmidt, Retra Esther (Col., A.M. 6)	D.C.
Vogt, William Henry (Jun. 48)	Mo	A.B. 1929, The George Washington University.	
Vogt, Marion Viola (Jun. 48)	Ind.	Walstrom, John Anthony (Jun.)	Mo.
Voit, Otto Dennis (Eng. 92)	D.C.	Waltmeyer, Claude Monroe (Jun. 20)	D.C.
Volkm, Dorothy deFord (Jun. 42)	D.C.	Walter, Alpheus Lauck (Col. 84)	D.C.
Volkman, Ada Isabell (Ed. 62)	D.C.	Walter, Charlotte Loyzelle (Jun.)	D.C.
Volkman, Hilda Leone (Jun. 21)	D.C.	Walter, Eva May (Col., A.M.)	Ill.
Vollmer, Thelma Hazel (Jun. 46)	Ark.	A.B. 1923, The George Washington University.	
VonDachenhausen, George Alexander (Law III)	D.C.	Walter, Lawrence George (Eng. 96)	D.C.
A.B. 1929, The George Washington University.		Walter, Raymond Bryan (Eng. 5)	Va.
VonDerLanken, Carl (Law I)	Okl.	Walters, Alvin Charles (Spec.)	D.C.
VonLewinski, Inge (Ed. 61)	D.C.	Walther, Florine Walker (Ed., A.M.)	Md.
VonLewinski, Roy Karl (Eng.)	D.C.	A.B. 1911, The George Washington University.	
VonStruve, Louise Cora (Spec.)	Tex.	Walther, Marion Charles (Jun.)	D.C.
VonThaden, Arthur H. (Spec.)	D.C.	Walton, Anna Strickler (L.S., A.M. 15)	Pa.
Voshall, Donald Hicks (Jun.)	D.C.	B.S. 1897, Waynesbury College.	
Wackerman, Daniel (Jun.)	Md	Walton, George Pelham (Grad., Ph.D.)	D.C.
Wackerman, John Dodge (Spec.)	Md.	B.S. 1912; M.S. 1925, The George Washington University.	
Waddy, Julian Grove (Col.)	W.Va.	Waltz, Alice Orien (Jun. 18)	D.C.
Wade, Clarice (Col.)	N.J.	Waltz, George F. (Ed., Ph.D.)	D.C.
Wade, Eugenia Sutton (Col., A.M.)	Conn.	B.S. 1922, Gettysburg College.	
A.B. 1930, Smith College.		LL.B. 1927; A.M. 1930, American University.	
Wade, William Kenneth (Jun.)	Md	Walz, August Frederick (Law II)	Del.
Wagers, Robert (Jun.)	Ky.	A.B. 1928, University of Delaware.	
Waggoner, Arlene S. (Spec.)	D.C.	Wang, Yeh Chuan (Col., A.M.)	China
Wagner, Archie Harold (Jun.)	S.D.	Graduate, Peking National Teachers' College.	
Wakeman, Chrysal William (Eng. 31)	Tex.	Wangler, John George (Grad., Ph.D.)	D.C.
Walck, Earl Clifford (Ed. 90)	Va.	B.S. 1922, Syracuse University.	
Walde, William Lowe (Col. 106)	Pa.	M.S. 1925, The George Washington University.	
Waldeck, Mary Elizabeth (Jun.)	D.C.	Wanstell, Grace (Ed.)	D.C.
Waldinger, David (Jun. 6)	N.H.	Ward, Anna Howard (Col., A.M. 6)	Va.
Waldman, Jacob (Law I)	Iowa	B.S. 1939, Harrisonburg Teachers' College.	
A.B. 1929, University of Pennsylvania.		Ward, Kenneth LaDue (Col. 97)	Utah
Walker, Joseph Irving (Spec.)	D.C.	Ward, Lewis Hall (Law III)	D.C.
Walker, Amelia Elizabeth (Ed. 90)	D.C.	Ward, Lillian Frances (Jun. 15)	D.C.
Walker, Bernard Sanford (Jun.)	Utah	Ward, Louise Markley (Ed. 98)	D.C.
Walker, Constance Evelyn (Col. 80)	Mich.	Ward, Martha Fairchild (Spec.)	D.C.
Walker, Edgar Stover (Eng. 84)	Pa.	Ward, Ruthellyn (Jun. 47)	D.C.
Walker, Frances Estelle (Col., A.M. 15)	D.C.	Ward, Virginia Scott (Spec.)	D.C.
A.B. 1927, The George Washington University.		Ward, Vivian Harner (Col. 111)	D.C.
Walker, Harold Landon (Jun.)	Va.	Wardlaw, Joseph Patterson (Eng. 118)	D.C.
Walker, Helen (Jun. 36)	D.C.	Warman, Marion Joan (Jun.)	D.C.
Walker, Helen Frances (Spec.)	D.C.	Warner, Anna Parker (Spec.)	D.C.
Walker, Huvert B. (Jun.)	Md.	Warner, Dorothy Pitts (Nurs. I)	N.C.
A.B. 1928, University of Utah.		Warner, Harold Ellsworth (Ed., Ph.D.)	D.C.
Walker, Walter Kennedy (Law II)	Utah	A.B. 1913; A.M. 1920, The George Washington University.	
Walsh, Hunter Houston (Col. 3)	D.C.	Warner, Margaret (F.A.)	D.C.
Wall, Bernice Virginia (Ed. 53)	D.C.	Warren, Charlotte Harper (Jun.)	D.C.
Wall, David (Jun. 24)	D.C.	Warren, Robert Sumner (Law III)	La.
Wall, John Franklin (Col. 79)	D.C.	Warren, Ruth (Jun. 12)	Md.
Wall, Paul Louis (Jun.)	D.C.	Warrington, Mary Elizabeth (Ed. 96)	Del.
Wallace, Blanche (Jun.)	D.C.		

† Warwick, Paul E. (Jun.)	Ohio	Welch, Elisabeth (Jun. 48)	D.C.
Wasserman, Nathan (Jun.)	D.C.	Welch, John Calvert (Jun. 52)	Pa.
Wassmann, Katherine Mary (Jun. 12)	D.C.	Wellens, Harry Edward (Eng. 6)	D.C.
Waterhouse, Robert Cormack (Law 1)	Tenn.	Weller, Margaret Catherine (Med. 1)	D.C.
B.S. 1930, Carnegie Institute of Technology		Welles, John Roser (Law 1)	Pa.
Waterman, Bernice L. (Col. 102)	Mich.	B.S. 1921, LaFayette College	D.C.
† Watkins, Chester (Jun.)	Kan.	Wells, Billy (Jun. 24)	D.C.
† Watkins, Gladys Eudolphia (Ed. 60)	Md.	Wells, Carl Hunt, jr. (Jun. 29)	D.C.
Watkins, John Latimer (Spec.)	Md.	Wells, Elva Coughlin (Ed., A.M. 2)	D.C.
A.B. 1910, Western Maryland College		A.B. 1920, The George Washington University	Ill.
Watkins, Kathleen (Jun. 39)	D.C.	Wells, Francis P. (Jun.)	Wis.
Watkins, Kennedy Campbell (Col. 66)	D.C.	Wells, George W. (Jun. 42)	Va.
† Watkins, Lillian Leonard (Ed.)	Ohio	Wells, Katherine Elizabeth (Jun.)	Va.
Watkins, Mary Lee (Jun.)	D.C.	Wells, Margaret Warriner (Nurs. 11)	Wis.
Watkins, Olivia (Col. 64)	Md.	Wells, Percy Albert (Col., A.M.)	Va.
† Watson, Allen Bartlett (Ed., A.M.)	W.Va.	B.S. 1928, University of Minnesota	D.C.
A.B. 1900, Goucher College		Wells, William VanHorn (Eng. 23)	D.C.
† Watson, Kenneth Nicoll (Law, LL.M.)	D.C.	Welpley, Charles (E.A., A.M.)	
A.B. 1928; LL.B. 1930, The George Washington University		A.B. 1924, The George Washington University	D.C.
Watson, Quentin Durward (Col. 78)	Mo.	Welpley, Margaret (Col., A.M.)	
Watson, Sarah Thornton (Spec.)	D.C.	A.B. 1924, Mt. Holyoke College	D.C.
Watt, Eleanor Louise (Jun. 33)	D.C.	Welter, John Jay (Jun.)	Kan.
Watt, Merrill Worthing (Spec.)	Ohio	Weltner, Ethel Winifred (Jun. 30)	D.C.
† Watts, Murray William (Jun.)	Va.	Wenckel, Anna Louise (Col., A.M.)	
Wayland, Julia Eleanor (Ed. 78)	D.C.	A.B. 1930, The George Washington University	Wis.
Weatherly, Julius Earle (Jun. 18)	D.C.	Wendoff, Florence (Jun.)	D.C.
Weaver, Charles Roland (Col.)	Iowa	† Wenger, Joseph Numa (Spec.)	La.
† Weaver, Charles W. (Spec.)	Ind.	† Wenger, Marie Ruth (Col. 100)	W.Va.
Weaver, Etta Bowman (Jun. 41)	D.C.	Wentzell, Laura Elizabeth (Jun.)	N.I.
Weaver, Marjory A. (Law 1)	Md.	Wenzl, John George (Jun. 31)	D.C.
A.B. 1930, The George Washington University		Werkaman, Sylvia (Jun. 59)	Ill.
Weaver, Mary Annetta (Col. 63)	D.C.	Werlich, Edgar Julius (Law 1)	D.C.
Weaverling, Margaret DuBois (Nurs. 1)	Pa.	M.E. 1930, Cornell University	N.Y.
Webb, Dorothy Elizabeth (Col. 62)	D.C.	Werner, John Herman (Spec.)	
Webber, Wessona Westphal (Govt. 90)	Ga.	Wertheimer, Albert (Col., A.M. 10)	D.C.
Weber, George S. (Med. 19)	Md.	B.S. 1928, Cooper Union Institute	D.C.
Weber, Harry Frederick (Jun. 12)	D.C.	† Wescott, James Blakely (Jun. 28)	Pa.
Weber, Joe (Law 1)	Ill.	† Wessels, Katherine E. (Jun.)	Me.
E.E. 1928, University of Cincinnati		† West, Dorothy Edith (Jun.)	
Weber, William Gordon (Jun. 47)	D.C.	West, George Chester (Law 11)	Ill.
Weber, Frances L. (Ed. 60)	D.C.	A.B. 1928, Colby College	Md.
Webster, Helen Tetter (Jun. 31)	N.Y.	West, Gladys Annie (Jun.)	D.C.
Webster, Louise Amelia (Jun. 27)	N.Y.	West, Marion Eugene (Col. 84)	Utah
Weckler, Abraham Nathan (Jun. 29)	D.C.	West, Rebecca (Ed. 49)	D.C.
† Wedderburn, Frank Addison (Spec.)	D.C.	West, Wilburn Clyde (Jun. 3)	D.C.
† Wedgeworth, May (Ed., A.M.)	Md.	Westbrook, Frank Springs (Col. 67)	Wash.
A.B. 1928, The George Washington University		† Westbrook, Jean Lancaster (Jun. 12)	
† Weedon, Ruth, E. (Jun. 48)	D.C.	Westby, George Newton (Law 11)	Va.
Weeks, Charles Everett (Law 11)	S.D.	B.S. 1927, University of Washington	Va.
Weeks, George Brightman (Law 1)	N.I.	Wester, Horace Volney (Col. 99)	
Weeks, Norman Ernest (Med. 11)	D.C.	† Wester, Robert Emerson (Col., A.M.)	Calif.
Weigel, William Robert (Col. 102)	Md.	A.B. 1930, The George Washington University	N.C.
Weisha, Edwin Armstrong (F.A. 110)	D.C.	Westhaver, James Waldo (Eng. 111)	D.C.
Weishe, Laura (Jun. 9)	D.C.	Westmoreland, Gladys Sue (Nurs. 11)	
Weinberg, Joseph Harry (Jun. 51)	D.C.	† Werthill, John Price (Grad., Ph.D.)	D.C.
Weinberg, Kathryn Gertrude (Ed. 50)	D.C.	B.S. 1927, M.S. 1928, The George Washington University	Ark.
Weinstein, David Louis (Med. 11)	N.Y.	† Whaler, Elizabeth Gray (Ed. 58)	D.C.
Weinstock, David Marcus (Jun. 26)	D.C.	Whatley, David Todd (Law 1)	N.Y.
Weintraub, Robert Louis (Col. 103)	D.C.	† Wheaton, Clare Alan (Law 11)	D.C.
† Weisberg, Anne Walpe (Jun. 6)	D.C.	Wheaton, Phila Lucile (Col. 60)	D.C.
Weisbrod, William Gustavus (Law 11)	Wis.	† Wheeler, Elizabeth Beale (Spec.)	
Weisman, Edward (Col. 110)	N.Y.	A.B. 1930, The George Washington University	Mont.
Weiss, Herbert (Spec.)	D.C.	Wheeler, Elizabeth Hale (Jun. 32)	D.C.
† Weiss, Warren H. (Eng.)	D.C.	Wheeler, Emma N. (Spec.)	Md.
† Weiss, Edward (Col., A.M.)	N.Y.	Wheeler, Helen Garrison (Col., A.M. 12)	D.C.
A.B. 1930, The George Washington University		A.B. 1929, Western Maryland College	
Weitzel, Frank Harvey (Col. 104)	D.C.	Wheeler, Lulu M. (Spec.)	
Weitzel, Fred Winfield (Jun. 54)	D.C.		
Weitzman, Harry Samuel (Med. 19)	D.C.		

Students Registered

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Wheeler, Margaret (Col., A.M.)	Md.	†Wilcox, Winifred Margaret (Spec.)	Wis.
A.B. 1929, The George Washington University.		Wildes, Cyril Martin (Jun.)	Wis.
†Wheeler, Phillip R. (Spec.)	Vt.	Wildes, Orville Ellwin (Jun. 18)	Wis.
Wheelchel, Mary (Jun.)	D.C.	†Wiles, Jessie Emma (Spec.)	D.C.
Whipple, M. Edith (Col. 74)	Iowa	Wiles, William Gilbert (Law 1)	D.C.
Whisman, Edward Eugene (Eng. 3)	D.C.	B.S. 1923, The George Washington University.	
†Whitaker, Colona C. (Spec.)	Ind.	†Wilfong, Ethel Marion (Spec.)	Md.
†Whitaker, Geraldine (Jun. 13)	D.C.	Wilhelm, George Raymond (Jun. 52)	D.C.
Whitaker, Richard Bliss (Col. 94)	Idaho	†Wilhelm, John Marshall (Spec.)	D.C.
Whitaker, Robert Leighton (Jun.)	D.C.	Wilken, Ruth Robertson (Ed. 57)	D.C.
†Whitcomb, Emelie Storm (Spec.)	D.C.	Wilkerson, Thomas Nesbitt, jr. (Law 11)	N.M.
†White, Annie Duvall (Ed. 75)	Md.	†Wilkey, Bailey D. (Jun.)	Ky.
White, Catharine Louise (Ed. 63)	Va.	Wilkie, Harry (Col., M.S. 8)	D.C.
White, Cecil Thayer (Grad., Ph.D.)	Tex.	B.S. 1928, Montana State College.	
A.B. 1928, Southwestern University.		Wilkie, John Brown (Col., A.M. 15)	Md.
A.M. 1930, The George Washington University.		B.S. 1921, Iowa State College.	
White, Elizabeth Adelaide (L.S. 72)	D.C.	Wilkins, Doris Gwendolyn (Spec.)	N.Y.
†White, Evelyn Lucille (Jun.)	Neb.	Wilkins, Everett Elisha (Jun.)	Ga.
White, George Douglas (Col.)	D.C.	Wilkins, Gordon Armstrong (Law 11)	Va.
White, Grace A. (Col. 64)	Va.	A.B. 1926, University of Richmond.	
†White, Helen Margaret (Spec.)	D.C.	†Wilkinson, Gladys W. (Spec.)	Fla.
A.B. 1921; A.M. 1924, The George Washington University.		Will, Reba Allene (Jun.)	D.C.
White, Hobart S. (Col., A.M.)	W.Va.	†Willard, Ella Baker (Col., A.M.)	D.C.
B.S. 1928, Davis and Elkins College.		A.B. 1918, University of Washington.	
White, Irma Reed (Spec.)	D.C.	Willard, William Bradley (Law 1)	D.C.
White, Jean Katherine (Spec.)	D.C.	A.B. 1926, Dartmouth College.	
White, Jean W. (Jun.)	D.C.	Willeford, George (Col., A.M.)	Iowa
†White, Lucile (Ed. 103)	Ala.	B.S. 1930, Iowa Wesleyan.	
White, Maude Ellen (Law 111)	Ohio	Willhide, William Russell (Jun.)	D.C.
White, Milton Christian (Spec.)	D.C.	Williams, Adgie Reid (Col., A.M.)	Ark.
White, Ruth (Spec.)	D.C.	A.B. 1927, Arkansas Teachers' College.	
White, Ruth (Col. 104)	Neb.	†Williams, Alton (Law 1)	Ark.
White, Ruth Oliver (Jun. 32)	Va.	Williams, Angelo Muollo (Med. 111)	Pa.
†White, Sally (Jun.)	D.C.	Williams, Anne McKnight (Spec.)	Tex.
†Whiteaker, Gus Gilbert (Jun.)	Wis.	Williams, Charles Richard (Phar. 85)	D.C.
Whired, Norman Willmer (Law 1)	Mich.	Williams, Chester Milton (Col. 106)	D.C.
B.S. 1914, Bucknell University		Williams, David Whitfield (Jun.)	Md.
Whitehead, John Lewis (Phar. 53)	Va.	Williams, Ed Almon (Jun.)	D.C.
Whitehead, Ruth N. (L.S.)	Tex.	†Williams, Edith Margretta (Ed. 34)	D.C.
A.B. 1928, Howard Payne University.		Williams, Esther Elizabeth (Jun. 18)	Md.
Whitehouse, Francis Herbert (Col. 97)	Colo.	Williams, Frank Tatom (Law 1)	Miss.
†Whitesell, Dena Marjorie (Spec.)	D.C.	A.B. 1924; A.M. 1925, University of Mississippi.	
B.S. 1927, Columbia University.		A.M. 1928, University of North Carolina.	
Whiteside, John Wilcox (Jun.)	D.C.	Williams, Genevieve R. (Spec.)	D.C.
Whitestone, I. Melvin (Col., A.M.)	Va.	Williams, Irene (Col. 112)	D.C.
A.B. 1930, The George Washington University.		Williams, James Stewart (Grad., Ph.D.)	Utah
†Whitfield, Karharine Mary (Col. 80)	D.C.	B.S. 1923, Brigham Young University.	
Whitmeyer, Donald N. (Eng. 76)	N.Y.	A.M. 1927, Columbia University.	
Whitney, Gladys Louise (Jun. 12)	Vt.	†Williams, John Henry (Spec.)	D.C.
Whitney, Mary Florence (Spec.)	D.C.	Williams, Leila Lee (Ed. 58)	Mo.
A.B. 1928, The George Washington University.		†Williams, Mae Grant (Spec.)	D.C.
Whitney, Virginia Carter (Spec.)	D.C.	†Williams, Marie Caroline (Spec.)	D.C.
A.B. 1930, The George Washington University.		Williams, Mary Evelyn (Ed. 86)	Md.
Whitney, Winifred Ellenor (Jun.)	D.C.	Williams, Mary Margaret (Jun.)	D.C.
Whiton, Abigail (Ed. 54)	Md.	Williams, Mildred Byrne (Ed. 63)	Va.
Whitson, Samuel McDowell (Eng.)	N.C.	†Williams, Minnie Lee (Col. 91)	D.C.
Whittington, Mary Louise (Spec.)	Wyo.	Williams, Myrra Dutton (F.A.)	D.C.
Wice, Israel (Col. 61)	Pa.	Williams, Olive Penniman (Spec.)	D.C.
Wick, Emerson William (F.A. 36)	W.Va.	Williams, Ray W. (Jun.)	Ohio
Wick, John Borden (Law 111)	N.J.	†Williams, Robert Manning (Law 1)	Okla.
Widmer, Anna Estelle (Spec.)	D.C.	Williams, William Ernest, jr. (Jun.)	Va.
Widome, Blanche (Jun.)	D.C.	Williamson, Edward Ervin (Jun.)	D.C.
†Wigby, Bartley B. (Jun. 21)	Minn.	Williamson, Goldie Marie (Ed. 60)	D.C.
Wight, Donald Miller (Law 11)	D.C.	†Williamson, James Harold (Eng. 46)	Va.
Wilcox, Blanche Bowgen (Ed., Ph.D.)	D.C.	Williamson, Mary LaVerne (Jun.)	Md.
A.B. 1920; A.M. 1930, The George Washington University.		†Williamson, Ruth Houser (Ed. 28)	D.C.
†Wilcox, Marguerite S. (Jun. 39)	Va.	†Williamson, Virginia Stone (Ed. 48)	D.C.
		Willard, John Earlton (Col. 97)	D.C.
		Willier, Henry Osman (Jun. 16)	D.C.
		Willier, Lillian E. (Jun.)	Pa.
		Williford, Mildred E. (Jun. 51)	Fla.

Willis, George Hatheway (Col., A.M.) B.S. 1930, Harvard College	D.C.	Wise, William Harvey (Law 11)	D.C.
†Willis, Katherine Malone (Spec.)	D.C.	Wisehart, Harold H. (Law 1)	Ind.
Willis, Mary May (Law 1)	Ind.	Wiseman, Carl Preston (Jun.)	Me.
B.S. 1920, American University.		Wiseman, Finley (Col. 64)	D.C.
Willis, Ruby Jamison (Jun.)	D.C.	Wiseman, Herbert Goodwin (Col., A.M. 16)	Me.
Willoughby, Grace Elizabeth (Col. 64)	N.Y.	B.S. 1929, University of Maine.	N.C.
Willoughby, Marion Frances (Col. 107)	N.Y.	Wiseman, William Wesley (Eng. 10)	Md.
Willner, Warren Hall (Law 11)	D.C.	Wiser, Ralph Lloyd (Jun. 53)	N.Y.
A.B. 1928, The George Washington University.		Witter, George Daniel (Jun. 59)	
†Wills, Dorothy Jordan (Jun. 21)	D.C.	Wobensmith, Zachary Taylor, 11 (Law, L.L.M.)	Pa.
Willson, Edith Rickert (Spec.)	D.C.	B.S. 1927, University of Pennsylvania.	
Willson, Barbara (Jun.)	D.C.	L.L.B. 1930, The George Washington University.	D.C.
Willson, Elizabeth Gulpin (L.S. 62)	Md.	Wohlgenuth, George Fringer (Col., A.M.)	D.C.
Wilson, Allen Morgan (Jun. 50)	D.C.	B.S. 1910, St. John's College.	Pa.
Wilson, Bruce Lee (Col., A.M.)	D.C.	Wolf, Elizabeth (Jun.)	D.C.
A.B. 1920, Reed College.		Wolfe, Elsie Irene (Spec.)	Wis.
Wilson, Charles Richard (Jun. 46)	D.C.	†Wolfe, Emma M. (Spec.)	Md.
Wilson, Creola Daniel (Spec.)	Va.	Wolfe, Estella Alvina (Col. 76)	Mo.
Wilson, Dorothy Nichols (Jun. 52)	D.C.	†Wolfe, James Robert (Jun.)	
Wilson, Dorothy Young (Ed. 107)	D.C.	†Wolfe, Richard Russell (Law 1)	
Wilson, Emma (Ed. 47)	Ind.	B.S. 1920; M.S. 1930, Massachusetts Institute of Technology.	D.C.
*Wilson, Gordon Kase (Law 11)	Pa.	Wolff, Ernest (Jun. 37)	D.C.
A.B. 1926, The George Washington University.		Walfrey, William Thomas (Jun.)	Minn.
Wilson, Grace Lillian (Jun. 56)	D.C.	Wolk, Jack (Spec.)	Md.
Wilson, Kathleen Knowlton (Jun.)	D.C.	Wolman, Bertha (Spec.)	D.C.
†Wilson, J. Russell (Law 11)	Ala.	Wolpe, Eva Miriam (Jun.)	D.C.
B.S. 1926, Alabama Polytechnic Institute.		Wolpe, Nettie Dorothy (Jun. 12)	Tex.
M.S. 1927, The George Washington University.		Womack, S. H. J. (Spec.)	Calif.
†Wilson, James A. (Spec.)	D.C.	A.B. 1920, Texas Teachers' College.	D.C.
Wilson, Jane Elizabeth (Jun. 33)	Ill.	Woo, Henry Buschoff (Med. 11)	D.C.
Wilson, John Louis (Law 1)	Ala.	†Wood, Bessie Taylor (Ed. 75)	D.C.
B.S. 1910, Alabama Polytechnic Institute.		Wood, Edwin Malcolm (Spec.)	D.C.
Wilson, John Richard (Spec.)	D.C.	Wood, Joseph Fickling (Eng. 46)	D.C.
†Wilson, Lee Roy (Law 11)	Ky.	Wood, Judith Goodwyn (Ed. 06)	D.C.
Wilson, Mary Elizabeth (Ed. 52)	D.C.	Wood, Louvan Elbert (Col. A.M. 31)	D.C.
Wilson, Mildred Althea (Col., A.M. 15)	Wis.	B.S. 1920, Alma College.	Va.
A.B. 1927, Northland College.		Wood, Marshall Kemball (Jun.)	D.C.
Wilson, Ruby Marie (Spec.)	Ind.	†Wood, Mildred Dorothy (Jun.)	D.C.
†Wilson, Virginia L. (Jun.)	Md.	Wood, Richard Moulton (Eng. 112)	N.C.
Wilson, Wallace A. (Jun.)	Minn.	Wood, William Edwin (Spec.)	D.C.
Witt, Ernest David (Jun. 54)	Va.	Woodall, Martha Cornelia (Nurs. 1)	D.C.
Witczak, Leonard (Jun. 50)	N.Y.	†Woodcock, Gertrude Ross (Spec.)	D.C.
Winsatt, Genevieve Beckwith (Col. 94)	D.C.	Woodcock, Virgil Eldon (Law 111)	
Windsor, Norma (Law 1)	D.C.	B.S. 1927, Oregon State Agricultural College.	Md.
A.B. 1920, The George Washington University.		†Wooden, Virginia Jordan (L.S. 53)	D.C.
Windsor, Paulina (Law 11)	D.C.	Woodley, Frederick W. (Jun.)	Pa.
Winea, Lillian Gladys (Ed. 84)	D.C.	*Woodruff, Ralph Waldo (Law 11)	
†Wingard, Hugh Donald (Jun. 58)	D.C.	A.B. 1920; A.M. 1921, Susquehanna University.	Calif.
Wingo, James G. (Col., A.M.)	D.C.	†Woods, Edwin Kirby (Law 1)	D.C.
A.B. 1930, The George Washington University.		B.S. 1910, University of California.	D.C.
Wink, Irving Wolfe (Jun. 36)	D.C.	†Woods, Erhel Murrel (Spec.)	W.Va.
Winkle, George Anthony (Spec.)	N.Y.	†Woods, John L. (Spec.)	Pa.
Winkle, Justin Frederick (Jun. 15)	N.Y.	Woods, Robert James (Spec.)	
Winkler, William Owen (Col., A.M. 8)	Utah	Woods, Byron D. (Col., A.M. 12)	Ill.
B.S. 1928, Brigham Young University.		†Woodside, Lehman F. (Jun. 36)	D.C.
†Winn, Agnes Shirley (Ed. 104)	Wash.	B.S. 1921, University of Pennsylvania.	D.C.
Winn, Juanita May (Ed. 75)	D.C.	Woodside, Lehighman F. (Eng. 74)	D.C.
†Winn, Orin West (Jun. 10)	D.C.	Woodsome, Onville Curtis (Jun.)	Iowa
†Winn, Ruth Thelma (L.S.)	Ohio	Woodward, Everett Harry (Jun.)	
A.B. 1927, University of Oklahoma.		Woodward, Helen (Spec.)	
Winslow, Lois (Jun.)	N.J.	B.S. 1926, The George Washington University.	Iowa
†Winstead, Vivienne Lucille (Spec.)	Va.	Holly B. (Col. 80)	D.C.
Winston, William Dix (Jun. 36)	Ky.	Woodward, William L. (Govt. 63)	Ill.
†Winter, W. Richard (Jun. 39)	D.C.	Woodward, Dorothea Elizabeth (Jun.)	Md.
Winters, Harry (Jun. 51)	D.C.	Woodworth, Joseph Almond (Jun.)	Va.
Wise, Charles Conrad (Jun.)	D.C.	Woodworth, Stephen Russell (Eng. 33)	D.C.
		Woodrell, Stephen (Ed. 9)	D.C.
		†Wool, Erhel (Ed. 9)	
		†Woolf, Edward (Spec.)	

Students Registered

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Woolf, Edward Magruder (Law 111)	D.C.	†Yost, Myrtle Estelle (Ed. A.M.)	D.C.
Woolf, Morris (F.A.)	N.C.	A.B. 1924, The George Washington University.	
Woolhiser, Jay Edwin (Eng. 87)	S.D.	Yousovsky, David Jacob (Jun.)	Conn.
†Wooten, Herbert Lane (Law 1)	D.C.	†Young, Beulah Adams (Spec.)	Va.
Wootton, Roland Henry (Col. 61)	Utah	†Young, Cecil George (Spec.)	D.C.
Worden, Elizabeth (Spec.)	Md.	Young, Grace Victoria (Med. 1)	D.C.
Worrall, Dorothy Norwood (Jun. 54)	D.C.	A.B. 1927, The George Washington University.	
Worrall, Larry Woodward (Jun. 27)	D.C.	Young, Isabella Frances (I.S. 77)	D.C.
Worrell, Barbara Rue (Jun. 18)	D.C.	Young, Janet Clementson (Jun.)	D.C.
Worsley, L. Elisha (Law 1)	N.C.	Young, Jean Virginia (L.S., A.M.)	D.C.
Worthy, Edmund Henry (Jun.)	D.C.	A.B. 1929, The George Washington University.	
Wrangell, Paul (Jun.)	D.C.	Young, John Arthur (Law 1)	N.Y.
Wren, Virginia (Col. 105)	Pa.	E.E. 1928, Rensselaer Polytechnic Institute.	
Wright, Gladys Mattes (Ed. 63)	D.C.	†Young, Malcolm McInnis (Law 1)	N.C.
Wright, Grace Stevens (Jun.)	Va.	A.B. 1926, University of North Carolina.	
†Wright, Harry Otis, jr. (Spec.)	Va.	Young, Maude Elizabeth (Jun. 33)	Wis.
Wright, James Warren (Law 1)	Ohio	Young, Ruth Marion (Jun.)	Me.
A.B. 1922, Ohio Wesleyan University.		†Young, Ruth Scott (Spec.)	D.C.
A.M. 1923, Ohio State University.		Young, Truman Richards (Law 11)	Utah
Wright, Lawrence Carter (Law 11)	Miss.	Young, Walter Hopkins (Law 1)	D.C.
A.B. 1927, University of Mississippi.		A.B. 1924, Ohio Wesleyan University.	
Wright, Louise Ogden (Jun. 38)	D.C.	Youngblood, Amber Ruth (Jun.)	D.C.
Wright, Nancy Starkey (Jun. 24)	D.C.	†Younger, Donald L. (Law 11)	Calif.
Wright, Nellie Harrington (Ed. 2)	D.C.	Youngman, Albert Stanley (Col.)	D.C.
Wright, Roberta Dennis (L.S. 94)	D.C.	Yowell, Olga Virginia (Ed. 17)	D.C.
Wright, Stuart Bradley (Jun. 18)	D.C.	Yun, Tchi Young (Col. 105)	Korea
Wright, Young Jefferson (Spec.)	Tenn.		
Wulbern, Julian Henry (Law 1)	S.C.	Zahn, Arthur David (Jun. 25)	D.C.
B.S. 1923, The Citadel.		Zahniser, Howard (Col., A.M. 6)	Ill.
†Wunder, Miriam Bowers (Jun. 3)	Va.	A.B. 1928, Greenville College.	
Wyant, Nina M. (Spec.)	W.Va.	Zaidens, Sadie Helene (Med. 11)	N.Y.
Wylie, Ben Montgomery (Law 1)	Tex.	Zandonini, Elizabeth Margaret (Spec.)	D.C.
A.B. 1911, Southwestern University.		Zangwill, Bernard Louis (Law 11)	D.C.
Wyman, George Parker (Med. 14.)	D.C.	B.S. 1929; M.S. 1929, Massachusetts Institute of Technology.	
A.B. 1928, Baldwin-Wallace College.		†Zantlinger, Louise (Spec.)	Md.
Wynn, Ruth Alberta (Spec.)	Pa.	†Zarilli, Kenneth John (Law 1)	Conn.
		Zartman, Ross Barnard (Law 1)	D.C.
Xanten, William Albert (Eng.)	D.C.	Zearfoss, John Elmer (Ed. 54)	D.C.
		Zebley, Frances Elizabeth (Jun.)	D.C.
Yackanicz, Paul (Eng. 3)	D.C.	†Zeders, Harriet Irene (Spec.)	D.C.
Yaffee, Simon (Law 11)	N.Y.	Zeller, John Henry (Col., A.M.)	D.C.
E.E. 1925, Rensselaer Polytechnic Institute.		B.S. 1917, Pennsylvania State College.	Conn.
Yale, Miles Augustus (Col., A.M. 12)	Conn.	†Zemantowsky, Mary (Jun. 6)	Nev.
A.B. 1929, The George Washington University.		†Zeni, Anthony Domenic (Law 1)	
Yap, Diosdado Maurillo (Ed., A.M.)	P.I.	A.B. 1922, University of Nevada.	D.C.
B.S. 1930, Lewis Institute.		Zepp, Winchester, Hammond (F.A.)	Md.
Yarbrough, Radford Lewis (Jun.)	D.C.	Ziegler, Helen Anita (Col. 67)	Ill.
Yauch, Mary Louise (Jun.)	D.C.	†Ziegler, LeaRue Eleanor (Jun. 18)	D.C.
Yeagley, Dibert L. (Col. A.M.)	Kan.	†Ziegler, Marion Maxine (Ed. 64)	D.C.
A.B. 1930, Southwestern College.		†Ziegler, William J. (Spec.)	N.Y.
Yeck, Lois Ellen (Ed., A.M. 10)	Idaho	Zikmund, Helen Lois (Jun.)	Pa.
A.B. 1928, University of Washington.		Zimmerman, Lillian (Spec.)	Pa.
Yerks, Charles Wesley (Jun.)	Wis.	Zimmerman, M. Phyllis (Jun.)	D.C.
Yinger, Harry Lloyd (Eng. 88)	Pa.	†Zipf, Oscar Robert (Spec.)	D.C.
†Yingling, Thomas Austin (Eng.)	D.C.	†Zirkin, Louise Jesnette (Spec.)	D.C.
†Yost, Clyde W. (Col. 79)	Neb.	†Zirkle, Douglas Neff (Jun.)	D.C.
†Yocheleon, Charlotte S. (Col., A.M.)	D.C.	Zlotnick, Sydney Somers (Jun. 32)	D.C.
A.B. 1929, The George Washington University.		Zoch, Richmond Tucker (Col. 106)	Ala.
Yood, Morris Marvin (Jun.)	N.J.	Zola, Sam (Jun. 44)	D.C.
York, Foster (Law 1)	D.C.	Zoller, Mary Catharine (Spec.)	Iowa
B.S. 1926, Massachusetts Institute of Technology.		Zucker, Jack Sam (Jun. 37)	D.C.
†York, Harold Chester (Eng.)	Me.	Zwerman, Anna Richards (Jun.)	D.C.
Yost, Elsie May (Col., A.M. 19)	D.C.	Zwillinger, Hilda Antoinette (Jun.)	D.C.
A.B. 1924, The George Washington University.			

STUDENTS REGISTERED IN THE SUMMER SESSIONS

1930

Aal, Cary Wolcott	D.C.	Appich, Eleanor Lindsay	D.C.
Aaronson, A. Palma	D.C.	A.B. 1928, The George Washington University.	P.I.
Aasen, Grace H.	N.D.	Atellano, Arsenio Yanza	Mass.
Abbe, Petrona	D.C.	Arnold, Prescott Niles	D.C.
Abbe, T. Waldo	D.C.	A.B. 1927, Harvard University.	D.C.
Abiere, Petronilo Ascio	P.I.	Asmuth, Minnie Louise	Va.
Abramson, Herbert	D.C.	Atkins, John Lewis	Md.
A.B. 1924; A.M. 1925, The George Washington University		Austin, Charles William	
Abramson, Norman	D.C.	Austin, Muriel McKenzie	Ark.
Adair, Edwin Ross	Ind.		
A.B. 1928, Hillsdale College.		Babcock, Henry Allen	S.D.
Adams, Thomas F.	D.C.	A.B. 1929, Arkansas College.	D.C.
Adkins, Alfred Carl	Ky.	Bahr, Mildred Mabel	D.C.
Aitchison, Beatrice	Ore.	Bailey, Helen La Vonne	D.C.
A.B. 1925, Goucher College.		Bailey, Percival Roberts, Jr.	Iowa
Alband, Jo Della	Md.	Bain, Wendell Henry	D.C.
Alderson, Wroe	Wash.	Baker, Lenore Mary	Conn.
A.B. 1927, The George Washington University.		Baldwin, Alfred Carleton, Jr.	D.C.
Alderton, Cecilia Nichols	D.C.	Baldwin, Claire Black	Va.
Aldridge, Beulah Price	D.C.	Baldwin, Joseph Lyle	D.C.
Aldridge, Olive Ramsey	D.C.	A.B. 1928, Roanoke College.	D.C.
Allen, Henry Edward	Md.	Baldwin, Lois	Md.
Allen, James C.	D.C.	Baldwin, Robert French	D.C.
Allen, Philip Harper	Tex.	Ball, George Lindsay	D.C.
A.B. 1921, West Texas State Teachers' College.		Ball, Robert Steward	D.C.
M.S. 1926, University of Iowa.		Ball, William Howard	D.C.
Allen, Ruth Joyce	Wash.	Bamford, Warren Herbert	Mich.
Allison, William Clarke	D.C.	B.S. in C.E. 1928, Georgia Institute of Technology.	D.C.
Allison, William Morris	Utah	Baranski, Sylvester N.	Md.
Alpher, Robert	D.C.	Barbecot-d'Anjou, Mariette	D.C.
Alpher, Solomon	D.C.	Barbes, Alger Yale	
Alverson, Maxine R.	Pa.	Barbee, Carl Joseph	Utah
Aman, John Andrew	Iowa	B.S. in M.E. 1929, Purdue University.	
A.B. 1920; A.M. 1922, The George Washington University.		Barlow, Lowell Walker	D.C.
Ambrugi, Leo	D.C.	A.B. 1929, University of Utah.	D.C.
Amdu, Leon H.	N.Y.	Barnes, Ruth Ellen	
A.B. 1920; M.E. 1922, Columbia University.		Barnes, Stuart Knowlton	D.C.
Amoss, Bernard LaSalle	Va.	A.B. 1929, University of Utah.	Va.
Anja, Magnus	Calif.	Barnhart, Olive Lane	D.C.
Anderson, Arill Elizabeth	Iowa	Bartlett, Sara Virginia	D.C.
Anderson, Catherine Russell	D.C.	Barrick, Katherine Elliott	
B.S. 1911, Hastings College.		Barrows, Vinnie Giffen	D.C.
Anderson, Mildred Harb	D.C.	A.B. 1926, Pomona College.	D.C.
Anderson, Myron Albert	D.C.	Bartenbach, Mary Angela	D.C.
Anderson, Theodore Caylor	Va.	Bartleson, Edwin L.	
A.B. 1922; A.M. 1921, The George Washington University.		Bass, Mary Etta	
Anding, Henry Moore	Iowa	A.B. 1906, Goucher College.	D.C.
Andrada-Fonacier, Geronimo	P.I.	A.M. 1918, Chicago University.	D.C.
Andujar, Carmen	D.C.	Bassett, Irving Albertson	
A.M. 1929, Columbia University.		Bassler, Anna Boulder	D.C.
Angel, Herbert Edmund	D.C.	A.B. 1924, The George Washington University.	D.C.
A.B. 1919, The George Washington University.		Battaglia, Aurelius Guy	D.C.
Ansell, Samuel Tilden	D.C.	Bauer, George Michael	D.C.
Apland, Edythe	Iowa	Bawell, Ruth A.	D.C.
		A.B. 1930, The George Washington University.	

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Students Registered

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Bays, William Webb	D.C.	Borden, Hazel A.	D.C.
A.B. 1904, Washington and Lee University		A.B. 1926, The George Washington University	
Beach, Arthur Eugene	D.C.	Borlik, Edward Leo	D.C.
Beals, Josephine A.	D.C.	Borkin, Eugenia	D.C.
Beard, Mary Lewis	N.C.	Bouldin, Alice Goade	Va.
Beasley, Albert Ferrall	Ala.	Bowen, Cora Robertson	Md.
Beauchamp, Edward J.	Mass.	Bowes, Fern H.	D.C.
A.B. 1930, Catholic University.		Boyer, James Barnes	D.C.
Becker, Edmund	Ind.	B.S. in E.E. 1928, Pennsylvania State College.	
Becker, William Strayer	Ohio	Boyer, Ralph	Okla.
A.B. 1923, The George Washington University		B.S. 1911, Oklahoma City University.	
Beebe, Steven Orren	D.C.	Boykin, Robert Lanham	Ind.
Been, Richard Olof	Mch.	Boyle, Mary Marian	D.C.
Beerbower, Orville Auhrey	D.C.	Braden, Hulda	D.C.
Belk, Vida M.	S.D.	Bradley, William Cheney	Ohio
B.S. 1923, South Dakota State College.		Bransford, Thomas Lowe	Ore.
Beller, Leona Marie	Wis.	A.B. 1928, University of Washington.	
Beller, Mary Adelaide	D.C.	Brantley, Frances Sease	D.C.
Belt, Estelle A.	D.C.	Brauner, John J.	N.Y.
Benjamin, Samuel	D.C.	Brearley, James Meigs	D.C.
M.D. 1927, Georgetown University.		Breck, Alice Evelyn	D.C.
Benner, Harry L.	Md.	Breck, Leah Esther	D.C.
B.S. 1923, The George Washington University.		Breeskin, Ethel Mae	D.C.
Bennett, Rose Bernice	D.C.	Briggs, Florence Estelle	Ill.
Benson, Elizabeth English	Md.	Briggs, Lois Thelsey	D.C.
Berkman, Isaac Jack	D.C.	A.B. 1925, North Carolina College for Women.	
Berman, Ralph	Mass.	Brill, Isadore	D.C.
Bernstein, Rena	D.C.	Brinker, Robert Durie	W.Va.
Berry, Samuel Winfred	Va.	A.B. 1928, Marshall College.	
Betikofer, Wilfred Alvin	D.C.	Bunkley, Mary Hamilton	D.C.
Biebel, Lawrence B.	Pa.	Brinsky, Sigmond Tibor	Pa.
B.S. in E.E. 1927, University of Pittsburgh.		Burton, Mary Virginia	Md.
Bierman, Roberta A.	Minn.	Brookley, Zelpha Catherine	Ohio
Biggins, Joseph Aloysius	D.C.	A.B. 1916, Miami University.	
Birch, Catharine	D.C.	Brooks, Albert Edwin, jr.	Tex.
Bishop, Dorothy Louise	Pa.	Brooks, Gilbert	D.C.
Bishop, Harold Albert	Ill.	Brooks, Solomon	D.C.
A.B. 1926, Bradley Polytechnic Institute.		A.B. 1929, The George Washington University.	
Bitner, Forrest Gary	Ind.	Brower, Edgar Jay	Iowa
Blackistone, Margaret Anne	Md.	Brown, Anita B.	D.C.
Blackistone, Zachariah Deminieu, III	Md.	A.B. 1930, The George Washington University.	
Blackmer, Dale R.	D.C.	Brown, Ernestine	Mass.
Blackwell, Carey Howard	Va.	Brown, F. Isabella	D.C.
Blair, John Alexander	Okla.	A.B. 1925, The George Washington University.	
M.E. 1928, Cornell University.		Brown, Ford D.	Mo.
Blair, Louise Frances	Tex.	Brown, Herbert Collier	D.C.
A.B. 1910, College of Emporia		Brown, Hobert Elburn	Fla.
Blake, Katharine Cecile	D.C.	Brown, Janie Butler	N.C.
Blake, Monroe William	D.C.	Brown, Leonard Dunkel	D.C.
Blew, Forrest Allen	D.C.	Brown, Mary Agnes	N.H.
Blose, James Frank	D.C.	A.B. 1924, The George Washington University.	
Blum, Janice	D.C.	Brown, Robert Washington	Ark.
A.B. 1925, The George Washington University.		A.B. 1916, University of Arkansas.	
Blythe, Harold Hillman	Ohio	Bruce, Louise Frances	D.C.
Bobaki, Stanley Wallace	D.C.	Brunner, John Grayson	D.C.
Bodony, Anna Margaret	Ill.	Brunschwig, Lily	D.C.
Bogman, James H.	D.C.	A.B. 1927, The George Washington University.	
A.B. 1930, The George Washington University.		Buchanan, Martha Hopkins	D.C.
Bogorad, Clara	D.C.	Buck, Robert Francis	Mass.
Boivin, Patrick A.	D.C.	A.B. 1920, Boston College.	
Bonham, Vera Ruth	D.C.	Buckingham, John Hosmer, jr.	D.C.
Bonifant, Mary	Va.	Buehm, Graef William	D.C.
Bonifant, Virginia Louise	Va.	Bugbee, Harriet May	D.C.
Bonner, Anna Louise	Md.	Bulent, Ussaki	Turkey
		Bulman, Joseph	D.C.
		Bunch, Mildred V.	D.C.

Burnham, Mildred Moger	D.C.	Clark, Mary Barbaroux	D.C.
Burnham, Paul F.	D.C.	Clarke, Helen Carrier	Md.
Burns, Evelyn Marie	D.C.	Clarke, Marie Austin	Md.
Burr, Julia R.	Ohio	Clarvoe, Russell H.	D.C.
Burroughs, Clara Haye	D.C.	Clary, Elizabeth Wheeler	Ky.
Burrows, Gladys B.	D.C.	Clay, Henry Scott, jr.	Ill.
Burton, Lawton	Okla.	Clayton, Boward	N.Y.
Burton, Mark H.	Utah	Clayton, Harry Webb, jr.	Pa.
Bush, Donald Porter	Wyo.	Clements, John William	Ill.
Graduate, 1929, U.S. Naval Academy.		Cluster, Loren Lee	Ill.
Butta, Wesley Eakins	D.C.	Cluster, Stewart	D.C.
Buttruff, Robert R.	S.D.	Coakley, Roy McNeil	Mo.
Byers, J. Harold	D.C.	Cobb, Mayme M.	D.C.
Byram, Carrie Virginia	D.C.	Coe, Bryan	
		A.B. 1928, The George Washington University.	
Cadwalader, Mildred LaVerne	Ill.	Coe, Raymond Gill	D.C.
Calfee, William Howard	D.C.	Coffman, Virginia Maphis	D.C.
Callaway, Mary Helen	D.C.	Cohen, Abe M.	D.C.
Camp, Thomas Lee	Ga.	Cohen, Emanuel Maurice	D.C.
A.B. 1925, Oglethorpe University.		Cohen, Joseph	D.C.
Campbell, Jean	D.C.	Cohen, Louis C.	D.C.
Campbell, Myrtle	Ala.	Cohen, Walter	D.C.
A.B. 1929, The George Washington University.		Cohn, Robert	Conn.
Candland, Harold Arthur	Utah	Cohn, Sarah Ida	D.C.
Cannon, Edward Lee	Va.	Colcord, Clarence Guise	Md.
A.B. 1926, Duke University.		Cole, Charles William	
Cantrell, Walter Thurman	Okla.	A.B. 1929, The George Washington University.	
B.E.F. 1916, University of Arkansas.		Cole, Selden de Loss	Md.
Cantrowell, Joseph John	Pa.	Colladay, David Clement	D.C.
Canyes, Manuel	D.C.	A.B. 1920, Princeton University.	Mass.
Carey, Sheldon David	Md.	Collins, Stanley Newcomb	
Cashe, Marion Lerner	D.C.	A.B. 1925, Bowdoin College.	D.C.
Carboun, Ruth Edith	D.C.	Conard, Barbara Allen	D.C.
Carmick, Louis Grandin, jr.	D.C.	Coney, Harmon C.	La.
Carpenter, Elizabeth Ruth	Ga.	Conger, George William	D.C.
Carpenter, Samuel Raymond	Utah	Conger, Virginia Watts	D.C.
Caruso, Amedeus Jacob	D.C.	Conkey, John Gourley, III	D.C.
Case, Leah M.	N.C.	Connaughton, Harry N.	
Cavenaugh, Harold Rupert		L.L.B. 1927, Georgetown University.	D.C.
A.B. 1929, Duke University.		Conner, Norman Hampton	
Cawood, R. Hamilton	Md.	B.S. 1924, University of Virginia.	D.C.
A.B. 1926, Pomona College.		Connor, Harry C.	D.C.
Cayton, Howard	D.C.	Connor, Ruth Frances	
Cazonas, Thomas J.	D.C.	Conradia, Albert Earl	
Chambers, Eleanor Frances	Md.	A.B. 1923, Cornell University.	
Chamblin, Elizabeth Marshall	D.C.	M.B.A. 1926, University of Pennsylvania.	D.C.
Chandler, Leland Williston	Va.		Neb.
Chang, L.	D.C.	Cook, Mary Tattnell	D.C.
Channel, Jesse Franklin	Va.	Cook, Millard James	Md.
Cheatham, Harriet O'Neill	Md.	Cooksey, Blanche E.	D.C.
A.B. 1925, Winthrop College.		Coombes, David Russell	
Cheng, Nam Sang	D.C.	Coope, Jessie	
Cheonlin, James C.	D.C.	A.B. 1930, The George Washington University.	Md.
Cheyney, F. Leonell	Va.		D.C.
Cheyney, Roland Pancoast	Va.	Cooper, Claude Everett	D.C.
Childs, St. Julien Ravenel	S.C.	Cooper, Everett Claude	Tex.
A.B. 1926, The George Washington University.		Cooper, Marian Virginia	D.C.
Chin, Frank T. P.	D.C.	Coopersmith, Bezie	D.C.
Chou, Hung Chao	D.C.	Cordero, Tulio	D.C.
Christenson, A. Sherman	Utah	Cordova, Henry William	N.Y.
Christianson, Curtis Alfred	Minn.	Corea, Lois Fleming	D.C.
Chrzanowski, Peter P.	Conn.	Corey, Merle Irving	D.C.
Church, Clara Margaret Byrn	D.C.	Cornell, Madeline Harner	Ala.
Claborn, Houston Vernon	Ark.	Cornish, Lalla H.	D.C.
Clark, Alan B.	W.Va.	Coxey, Genie	D.C.
Clark, Chester Ray	D.C.	Cotsoni, Francesca	D.C.
A.B. 1921, Kentucky Wesleyan College.		Coston, Jane Catharine	
Clark, Elizabeth H.	D.C.	Coulter, Eliot Brewster	
Clark, Frank Momm	Va.	Lit.B. 1914, Princeton University.	
Clark, Harry Lawren	D.C.	A.M. 1915, Harvard University.	
Clark, Hugh K.	Va.		

Students Registered

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Courtney, William Hasell A.B. 1927, Vanderbilt University.	La.	Dayton, Elizabeth May	D.C.
A.M. 1928, Stanford University.		Deal, Erma Grace	D.C.
Cowgill, Harold Guy	Ill.	deBruin, Milton Hyman	D.C.
Cox, Claire London	D.C.	deButts, Rebbie	Va.
A.B. 1929, The George Washington University.		DeFontes, Marion Teresa	D.C.
Cox, Jane Leslie	Va.	Dell, Julian Peter, jr.	Ga.
Cox, Thelma Cecelia	D.C.	B. Ph. 1929, Emory University.	
Cozby, Harold Otis	Tex.	deMartino, Angelo	D.C.
Cragun, John W.	Utah	Demas, Zachary James	Pa.
Crandall, Bowen Sinclair	Md.	Deming, Alice Fitz-Hugh	Md.
Crandall, Edwin B.	Mo.	Dennis, Robert Earl	Md.
Crandall, Perry James	D.C.	dePerry, John Joseph	Va.
Crane, Wilfred Steven	Ill.	Derr, Morris William	Md.
B.S. in E.E. 1913, Carnegie Institute of Technology.		A.B. 1921, College of William and Mary.	
Cramwell, Alfred	D.C.	DeSausure, Richard Laurens	D.C.
Crawford, Jane Elizabeth	D.C.	M.D. 1915, The George Washington University.	
Creeden, Sara A.	D.C.	deShazo, George Sidney	Ala.
Creer, J. Roscoe	Utah	deShazo, Lethana	Ala.
Criswell, Willard	D.C.	deSouza, Daniel Arthur	Va.
Critchfield, Charles Louis	Ohio	Diaz, Alipio Dacanay	P.I.
Crittenden, Eugene Casson	D.C.	Dick, Ruth Eleanor	D.C.
Crittenden, Marjorie	D.C.	Dickens, Paul D.	Ohio
Crockett, J. Allen	Md.	A.B. 1922, Hiram College.	
Cromwell, Frederick Paskell	Ill.	A.M. 1927, The George Washington University.	
B.S. 1930, University of Illinois.		Dickinson, L. Call	Iowa
Crosby, Elizabeth Wright	D.C.	Dickinson, Lester Coolidge	N.Y.
Crosier, Vena Mary	Pa.	Diehl, Forrest DeWitt	Ohio
Cross, John Walker	Kan.	Dieterich, Fred George	D.C.
Crouse, Anna Mary	Pa.	Digges, John Dudley	Md.
Crum, Harry Watson	Pa.	Dille, Kathryn Virginia	D.C.
B.S. 1924, Princeton University.		Dinsmore, Clarence William	D.C.
Cruz, Angel Erana	D.C.	Diamer, William Frederick, jr.	D.C.
Cubero, Esperidion	P.I.	Doane, Vernon Harden	Kan.
Cummings, Cleo C.	Neb.	Dodge, Morton Moore	D.C.
A.B. 1923, Nebraska Wesleyan.		Doig, Marie Brem	D.C.
Cummings, Joseph Irwin	Ind.	Dolinsky, Ida	D.C.
Cunningham, David Robert	D.C.	Dollarhide, Daniel	Md.
Curradi, Alfred Dean	D.C.	A.B. 1916, Henderson Brown.	
Curran, Harold W.	D.C.	A.M. 1932, The George Washington University.	
Currie, Dora Katherine	D.C.	Dominick, John Frank	D.C.
Curry, Ina Octjen	S.C.	Dondero, Joseph George	D.C.
A.B. 1927, Winthrop College.		Donnelly, Stasia Virginia	D.C.
Custer, Jonathan Henry	D.C.	Doody, David Francis	D.C.
		Doody, Sheila	D.C.
Dahl, Everett Nordlie	S.D.	Doran, Sarah Loyola	N.Y.
Darby, Eleanor Nourse	D.C.	A.B. 1924; A.M. 1926, The George Washington University.	
Darby, Margaret Iliams	D.C.	Dorsey, Harryman	D.C.
A.B. 1926, The George Washington University.		A.B. 1929, The George Washington University.	
Darling, Ralph Edwin	N.Y.	Dorsey, James Andrew	Mass.
Darnell, Dorothea Marie	D.C.	Douglas, Lenore	Mich.
Daughtrey, Darien Butler	Va.	Downer, A. Gilbert	Ga.
Dauphin, Suzanne J.	D.C.	Downs, Norbert Henry	Ind.
Davenport, Mortimer Harwood	N.M.	Drake, Beulah Jones	D.C.
Davidson, Lester Gilbert	D.C.	Draper, William Curtis	D.C.
Davila, Roman	Va.	Drawbaugh, William Bradford	Pa.
Davis, Cresson Orion	D.C.	Driscoll, Charles Lawrence	D.C.
Davis, Edward French	D.C.	Drummond, Folsom E.	D.C.
Davis, Jack Clemens	Mo.	B.Chem.E. 1924, Ohio State University.	
Davis, Lucy M.	Mo.	Druzina, Anton	D.C.
Davis, Mildred Jane	Ohio	Dryer, D. Alan	D.C.
Davis, Robert J.	Ky.	Dryer, Waltern Drakeford	Ala.
Davison, Noble E.	Tex.	Dudley, Robert Earl	D.C.
Dawes, Gladys Meredith	D.C.	Duganne, Louise Randall	D.C.
Dawson, Raleigh W.	Tex.	Dugger, Ralph Loring	Ill.
Day, Annabelle	Va.	B.S. 1926, University of Illinois.	
Day, Edith Kemp	D.C.	Dulay, Valentin Diaz	P.I.
Day, Ruth Virginia	D.C.	Duncan, Hearst Randolph	Iowa
Day, Sara Milligan			
A.B. 1929, The George Washington University.			

Dunnigan, M. Regis	D.C.	Ericson, Anna Lucinda	Ky.
Durnbaugh, Evelyn Grace	D.C.	A.B. 1926, The George Washington University	Va.
Durr, John Franklin	D.C.	Ernest, Alice Lee Ella	D.C.
Dusabek, James Albert	N.D.	Esch, Evelyn Mildred	D.C.
Dyas, Richard Campbell	Ill.	Estabrook, William Tracy	P.I.
A.B. 1929, University of Illinois.	Utah	Estrella, Procopio	P.I.
Dye, Elden Hobson	Nev.	Eugenio, Porfirio Fidel	Iowa
Earl, Marion Bradley	D.C.	Evans, Hiram S.	D.C.
B.S. 1922, University of Utah.	Wis.	Evans, John Robert	D.C.
Earle, J. Richard	D.C.	Evans, Margaret Elizabeth	D.C.
Earle, Robert Lindsay	D.C.	Evans, Robert Lee	D.C.
Earnest, James Murvin		B.S. in M.E. 1939, University of Maryland	
B.S. 1927, Alabama Polytechnic Institute.	D.C.	Everett, Kathryn Lucille	D.C.
Earnest, Mildred	D.C.	Everhart, David Groff, jr.	Md.
Eaton, Claribel Ruth	N.C.	Fales, Warren Dexter	Md.
A.B. 1929, American University.	D.C.	Faris, Zella Beatrice	Tex.
Eaton, Grace Elizabeth		A.B. 1921, Baylor University	D.C.
A.B. 1912, North Carolina College for Women.		Farr, Lionel Ballantyne	D.C.
Eaton, Harriette Olive		Fassett, Christine	
A.B. 1929, American University.	Md.	A.B. 1926, Syracuse University.	N.C.
Eberle, Charles Chanton	D.C.	Fawcett, James R.	Md.
Ecker, John Beard	D.C.	Feaser, DeWitt Hampton	Calif.
Edelson, Abraham Leopold	Va.	Fenander, Edmund Albert	
Edgerton, Justin Lincoln		B.S. 1926, University of California.	Va.
A.B. 1929, The George Washington University.	D.C.	Ferguson, Alma Adelia	W.Va.
Edlowitz, Ellis	D.C.	Ferguson, Milton Carr	
Edmonson, Jessie Blair	D.C.	A.B. 1924, West Virginia University	Iowa
A.B. 1909, Wilson College.		Feulen, Elouise Lucille	D.C.
Edmonston, J. Harvey	D.C.	Ferry, Charles Edmund	D.C.
Edwards, Archie C.	D.C.	Fesler, Clarence Manley	Ind.
B.B.A. 1925, M.B.A. 1927, University of Washington.		Fiedler, Adelaide Louise	
Edwards, Edith Viola	Ohio	A.B. 1919, Michigan State Normal School	Pa.
A.B. 1919, The George Washington University.		Fielden, Elizabeth	D.C.
Edwards, Gordon	Va.	Finnigan, Paul Vincent	D.C.
Edwards, John	Mass.	Finn, Marjorie Edith	D.C.
Edwards, Malcolm Melbourne	Ind.	Finkhorn, Judith Marshall	Pa.
A.B. 1926, Wabash College.		Finkel, Vinton C.	D.C.
Edwards, Sterling Wallace	Md.	Fitzgerald, Francis Valentine	Tem.
A.B. 1925, Western Maryland College.		Fitzgerald, Roby Belle	Pa.
Edwards, William Griffith, jr.	N.Y.	Fitzsimmons, Richard Raymond	
B.S. in E.E. 1927, University of Colorado.	Ill.	B.S. 1924, Carnegie Institute of Technology.	D.C.
Efner, Lawrence Victor		Flax, David Morton	Pa.
B.S. in M.E. 1928, Armour Institute of Technology.	D.C.	Fleck, Charles Hayden	
Egbert, Freda Dorothy		A.B. 1930, The George Washington University.	Pa.
A.B. 1915, The George Washington University	Ohio	Fleck, James Henry	N.Y.
Eggenschwiler, Charles E.	D.C.	Flemming, Arthur Sherwood	D.C.
Ehrmantraut, Catherine Ada	Va.	A.B. 1927, Ohio Wesleyan University.	Pa.
Elder, Clarence May	Md.	Fling, William Lee	Pa.
Elfelt, Betty Lois	D.C.	Flood, Clyde	
Elgin, Ruth St. Clair		Flournoy, William Walton	N.J.
A.B. 1924, The George Washington University.		A.B. 1928, University of Florida.	
Elliot, William Saunders		Flury, Henry	Pa.
Ellis, Greer	Utah	B.S. 1912, University of Pittsburgh.	D.C.
Engel, Ralph E.	N.D.	Foley, Edward J.	D.C.
Engen, Gilbert A.	D.C.	Folger, James Edward	D.C.
England, Mary Earther	W.Va.	Folsom, Gwendolyn Bevington	D.C.
Engle, Earl Lancing	D.C.	Fonoroff, David Louis	D.C.
English, Merton Alden		Foster, Margaret Dorothy	
Eno, Arthur Raymond	Ind.	A.B. 1918, Illinois College.	D.C.
Envart, Byron K.	N.Y.	M.S. 1923, The George Washington University.	D.C.
Epercin, Reuben		Fourchy, Richard Gray	N.Y.
B.S. 1926, College of the City of New York.		Fowler, Bruce M.	N.Y.
		Fowler, Marian Alberta	
		Fox, Abraham Louis	
		Fox, Elsie Anna	

Students Registered

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Fox, Nannie Lee A.B. 1927, Woman's College of Alabama.	D.C.	Goode, Donald J.	Iowa
Fox, Robert	D.C.	Goodwin, Eulalia Velma	Va.
France, Floyd, L.	Neb.	Gordon, Bartley Patrick	Mass.
Francis, Harold E.	D.C.	Gordon, Grace Elizabeth	D.C.
Frazier, Dean Edward	Mo.	Goyette, Linus Francis Gregory	Mass.
Frazier, Melvin Sidney	N.D.	Graham, Alice Archer	D.C.
Frazier, Versie Fay	N.D.	A.B. 1929, The George Washington University.	
Free, Harold Gustav	Iowa	Graham, Ruth Olive	D.C.
Freeman, Carl	Pa.	Grant, Cora Hibbs	Ala.
A.B. 1928, Franklin and Marshall		Grant, Hugh Gladney	Ala.
French, Helen	D.C.	A.B. 1910, Howard College.	
Friberg, Carl Joseph	Mass.	A.B. 1912, Harvard University.	
Fribush, Robert	M.I.	A.M. 1916, Howard College.	
Friedlander, Herman Irwin	D.C.	Graves, Asenath Libby	D.C.
Frigitana, Leon Diaz	D.C.	A.B. 1920, Mt. Holyoke College.	
Frost, Janet Delavan	D.C.	Gray, John Shapley	D.C.
A.B. 1930, Goucher College.		Gray, Ruth Anna	Ind.
Frye, Clarence Ellsworth	Pa.	Greenawalt, Lambert	Pa.
Fryer, Thelma Elizabeth	D.C.	A.B. 1922, The George Washington University.	
Fugitt, Helen Jean	D.C.	Greenbaum, Herman	Del.
Fulcher, Roy A.	Va.	Greenberg, Samuel Irving	N.Y.
Furbushaw, James Fred	D.C.	Greenwood, Katherine Edgar	D.C.
A.B. 1925, The George Washington University.		Gregory, Verna Green	D.C.
Fusfeld, Cecile Leban	D.C.	A.B. 1909, Mt. Holyoke College.	
Gable, Raymond Edgar	Pa.	A.M. 1929, Radcliffe College.	
Galbraith, Eva M.	D.C.	Griffith, Lera E.	Ky.
Gallardo, Jose Arturo	P.R.	Griffith, Terry Delmar	Va.
Gallery, Robert Aloysius	M.I.	Grimes, Fenner Marion	D.C.
Gamble, John Donald	D.C.	Griminger, George	Mo.
Garber, Martin Dudley	Okla.	Grimmell, Frank Albert	Utah
Gardner, Truman Grant	Pa.	Grove, George Bowers	W.Va.
Garrett, Franklin Tucker	D.C.	B.S. 1928, Roanoke College.	
Garrett, Patsy	D.C.	Grubb, Katherine Mary	Ala.
Gates, Lawrence Merle	Pa.	A.B. 1928, Smith College.	
Gates, Lester Madison	Iowa	Gude, Wilhelmina Catherine	Md.
Geary, Daniel Joseph	D.C.	Guilford, Charles Carlton	Va.
Geer, Ethel Irvin	D.C.	A.B. 1921, A.M. 1923, The George Washington University.	
A.B. 1920, Bessie Tift College.		Gullet, John Sherman	D.C.
Geisel, Edith	Pa.	Gullett, James Gordon	Ill.
A.B. 1929, The George Washington University.		Gunther, Anne Agnes	D.C.
Geniesse, Eugene William	D.C.	Gurtisen, Mabel C.	Pa.
B.S.E. 1920; M.S. 1924, University of Michigan.		Gustavson, Z. Selma Maria	N.Y.
Gerardi, Stephen P.	D.C.	Gnyon, Charles Mayo	D.C.
Gertler, Louis	D.C.	Hagen, Norman Randolph	Minn.
Giese, Oscar William	Fla.	Hagenbuch, John Robert	Pa.
Gilbert, Dorothy	Va.	Haines, Hilton D.	D.C.
Gillespie, Frank Smith	Ill.	Haines, James Stafford	D.C.
Gilligan, Dorothy Lyle	D.C.	Hale, Marion Mathias	D.C.
A.B. 1928, Western Maryland College.		Hall, Clyde Webster	Ind.
Gingell, Agnes Lee	Md.	B.S. in M.E. 1925, Purdue University.	
Ginsburg, Morris	D.C.	Hall, Frances M.	Minn.
Glamire, A. Wily	D.C.	Hall, Frederick Kilby	Mass.
A.B. 1925, Pennsylvania State College.		B.T.E. 1924, Lowell Textile Insti- tute.	
Glaubach, Nathan	D.C.	A.M. 1930, The George Washing- ton University.	
Glover, George Francis	D.C.	Hall, Hartie Stuart	Va.
Glover, Jewell I.	Tex.	Hall, Helen Beryl	D.C.
Goezler, Robert Augustus	Wis.	Hall, Robert Edward Lee	D.C.
Goez, Charles Moran		Hall, Stanley W.	D.C.
B.S. in E.E. 1929, University of Colorado.		Hall, Thomas Randolph	Md.
Goldman, Joseph	D.C.	Hall, William Norman	Va.
Goldsmith, Harry	Pa.	Halpern, Isadore Harry	D.C.
Goldsmith, Henrietta Wilson	D.C.	Hamilton, Burleigh W.	Va.
Goldstein, Marcus S.	Pa.	Hamilton, Donald Mentiss	D.C.
Gooch, Donald Willis	D.C.	Hamlin, Nancy	Pa.
Goodall, Alfred Burrows	D.C.	Hammerness, Clarence Rudolph	D.C.
		Hand, Ellsworth Joseph	D.C.
		Hanes, Grayson Bland	Va.
		Hansen, Howard	Utah

Harbaugh, Eva Luella	Md.	Himmelheber, Joseph Bernard	Md.
Hardy, Clifford L.	D.C.	B.S. 1923, University of Maryland.	D.C.
Hardy, Karl Jack	Utah	Hinden, Benjamin Earl	Va.
A.B. 1927, University of Utah.		Hinman, Sarah Elizabeth	Calif.
Harlan, Louise	Mo.	Hittson, Harker Henry	
Harlon, Frances McNeer	D.C.	B.S. 1926, University of Illinois.	D.C.
Harms, William Henry	D.C.	Hoage, Alden Warne	
Harris, Marjorie Forbes	Tex.	A.B. 1928, University of Maryland.	D.C.
Harris, Mildred Louise	D.C.	Hobson, Katherine Gaskill	Calif.
Harrison, John Ward	Conn.	Hoffman, John Martin, jr.	
Harrison, Lolla Smith	Ga.	Ed.B. 1926, University of California, Southern Branch.	Pa.
Harrison Louis Pincus	D.C.	Hoffmann, James Thomas	
Hart, William James	D.C.	B.S. in E.E. 1926, University of Pittsburgh.	D.C.
Harvey, Eleanor Margaret	D.C.	Hogan, William Joseph	
Haskell, Frank Bosley	D.C.	LL.B. 1923; LL.M. 1924, Georgetown University.	D.C.
Haskin, D. J. N.	Iowa	Holdstock, Henry Bruce	Mo.
Hass, Wilbert Henry	Nev.	Hollingsworth, Coral M.	Tex.
Hatch, Douglas Lorenzo	D.C.	Holmes, Franklin Austin	
Hatcher, Margery Somerville	N.Y.	A.B. 1930, The George Washington University.	Ohio
Hausknecht, Ephraim	W.Va.	Holmes, Joseph Earnest, jr.	D.C.
Hawkins, Joseph Allen		Holsopple, Mary Catherine	D.C.
A.B. 1928, Marshall College.		Holzer, Emma A. F.	Mo.
Hawkins, Lawrence Fleming	W.Va.	Hoover, Charles Jackson	Md.
Haycock, Stephen Pineo	Me.	Hopkins, Julia Burton	Kan.
Hayden, Forrest Shoup	Md.	Hopkins, William Jesse	Vt.
Hayden, Virginia Ann	D.C.	Horne, Robert S.	
Hayes, Montrose Henley	Ill.	B.S. 1920, Massachusetts Agricultural College.	Utah
Ph.B. 1930, University of Chicago.		Horsley, Arthur Samuel	D.C.
Hearn, Wilfred Asquith	Md.	Hough, Eleanor Margaret	
Heavener, John Haven	D.C.	A.B. 1914, Wellesley College.	
Hedrick, Anna F.	Va.	A.M. 1928, The George Washington University.	N.Y.
A.B. 1921, Vassar College.		Hough, Romeyn Beck	Tenn.
A.M. 1926, The George Washington University.		Houston, Paris T.	
Hefty, Virginia	Md.	A.B. 1930, Lincoln Memorial University.	D.C.
Heilman, Elizabeth Wiltbank	Md.	Howard, Paul Thomas	D.C.
A.B. 1928, The George Washington University.		Howard, Victor Atwood	Fla.
Helfgott, Aaron Harry	Md.	Hubbard, Donald	
Heller, Joseph	D.C.	B.S. in Ch. E. 1923, University of Florida.	Wis.
Helmke, Margaret	Calif.	M.S. 1924, University of Florida.	Ohio
Helvestine, William	D.C.	Hubbel, Carter Carol	D.C.
Henderson, Ralph Leonard	D.C.	Huddle, Miriam West	D.C.
Henkel, Amelia Lenore	Minn.	Hudson, Mary Elizabeth	Ind.
Henrickson, Andrew	D.C.	Huey, Samuel R.	D.C.
Henry, Mary Margaret	D.C.	Hufford, Harold Emery	Ill.
Henry, Thomas Robert	D.C.	Hufnagel, Charles Frederick	W.Va.
A.B. 1914, Clark College.		Hughey, Leta	D.C.
Herndon, Miriam Jones	Ky.	Hull, Moody	Md.
Herner, Raymond Carl	Ohio	Hunt, Lucy Jones	
Herrick, Philip Field	D.C.	Hunt, Thelma	
A.B. 1920, Williams College.		A.B. 1924; A.M. 1925; Ph.D. 1927, The George Washington University.	D.C.
Herrmann, Katharine Faith	D.C.	Hunter, Edwin H.	Ore.
A.B. 1914, Swarthmore College.		Hunter, Kenneth Hamilton	
Hertzog, Eleanor Madeline	D.C.	A.B. 1923, University of Idaho.	D.C.
Herzog, Raymond	D.C.	M.B.A. 1925, University of Oregon.	Iowa
Heaton, Beatrice May	D.C.	Hunter, Marjorie de Cou	D.C.
Hetzl, Lowell Hayward	D.C.	Hunter, Rollin Ankeny	D.C.
Hewston, Elizabeth Margaretha	D.C.	Hurah, Francis Harold	
B.S. 1920, The George Washington University.		Huston, Hamner	Pa.
Hickox, Alma	D.C.	Graduate, 1914, West Point.	D.C.
Hicks, Pearl	Fla.	Hutson, Archie George	D.C.
A.B. 1928; A.M. 1920, The George Washington University.		Hutson, John H.	D.C.
Higgins, Eugene Witter	D.C.	Hutton, Alvin Campbell	Md.
Higgins, Horace Richard	D.C.	Hyatt, Janice Pearl	
Hileman, Mary Frances	Va.		
Hill, Florence Belle	Ind.		
Hill, George Dewey	D.C.		
Hill, George Place, jr.	D.C.		
Hill, Roberta Willard	N.C.		
Himmelheber, Charles Martin	D.C.		

Students Registered

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Iglehart, Donald H.	D.C.	Keim, Marjorie Herrle	D.C.
Iverson, Evelyn Augusta	D.C.	Keiper, Francis Pitman	N.Y.
Iverson, Kenneth R.	D.C.	A.B. 1927; E.E. 1928, Cornell University.	
Jabaut, Frances Helen	D.C.	Keith, Dallas	D.C.
Jackson, Arthur Rulon	Utah	Keitt, William Lawrence	Tex.
Jackson, Charles H.	Tex.	A.B. 1926, University of Texas.	
Jackson, George Maynard	D.C.	Kellogg, Clyde Elmer	D.C.
Jackson, Homer Burton	D.C.	Kelly, Helen G.	N.Y.
A.B. 1929, University of Washington.		Kendrick, Caldwell C.	Va.
Jackson, Thomas S.	D.C.	Kennedy, David M.	Utah
Jacobs, Pearl Virgil	Fla.	Kennedy, John Roger	Ill.
Jakosky, Milton	D.C.	Kennedy, William Brent	D.C.
James, Louise K.	Md.	Kennell, C. Raber	Ind.
Jamieson, Charlotte B.	D.C.	Keahey, William	D.C.
Jamison, Mary	Colo.	Kephart, Calvin Ira	Va.
Jefferys, Robert Larew	D.C.	Kerr, Evelyn Ruth	D.C.
Jehli, Ruby Christine	Md.	Kerr, Marion Frances	Md.
Jenner, William Ezra	Ind.	Ketcham, Frank Gordon	D.C.
A.B. 1930, Indiana University.		Kettering, James H.	D.C.
Jennings, Jack Dowell	W.Va.	Keyser, Charles Frank	D.C.
A.B. 1927, West Virginia Wesleyan University.		Kieler, Ralph George	Iowa
Jessup, Daniel Arthur	Okla.	Kimble, Ralph Mitchell	Va.
Jett, Clifton Hubert	Va.	King, Angus Stanley	Va.
Johnson, Arlin Rex	Utah	B.S. 1926, College of William and Mary.	
B.S. 1924, Brigham Young University.		King, Elsie Snow	W.Va.
Johnson, Clarence Gustaf	D.C.	A.B. 1929, The George Washington University.	
Johnson, Henry B., jr.	Md.	King, Joseph Aloysius	D.C.
Johnson, James Thomas	Wis.	King, Llewellyn H.	D.C.
Johnson, Lawrence Albert	D.C.	A.B. 1930, The George Washington University.	
Johnson, Moselle	D.C.	King, Raymond S.	D.C.
Johnson, Robert Lee	Ga.	Kinnard, Virginia	D.C.
Graduate, 1932, U.S. Naval Academy.		Kirk, Charles Roger	Ohio
Johnson, Warren Carl	D.C.	A.B. 1929, The George Washington University.	
Johnson, William O.	Wyo.	Kirk, Ruth Kimbrough	D.C.
Johnston, Everett Dale	Ohio	Kirsch, Theodore	D.C.
A.B. 1927, The George Washington University.		Klatzkin, Morris Aaron	D.C.
Jones, Elbert Cecil	Ohio	A.B. 1929, The George Washington University.	
Jones, Evelyn Wellington	Ore.	Kleeblatt, Lillian Audrey	D.C.
A.B. 1921; A.M. 1929, The George Washington University.		Kline, Ruth	D.C.
Jones, George Raymond	D.C.	Klutetz, Paul Jerry	D.C.
Jones, Helen Carty	D.C.	Knapp, Ignatius Melchior	Pa.
A.B. 1928, The George Washington University.		Knapp, James Webb	Md.
Jones, Sara Katherine	D.C.	Knarr, Aurel J.	Ind.
Jones, Sarah Ann	Ky.	Knight, Perle	D.C.
Jones, Wesley W.	D.C.	Knight, Robert Ernest	Va.
Jordan, James Bumer	D.C.	B.S. 1920, University of Virginia.	
Joslin, Hiram Millard	Iowa	Knighton, Joseph Wilson	Md.
A.B. 1922, Coe College.		B.S. 1917, St. John's College.	
Joynt, John Howard	Va.	Knights, Alice Fern	Minn.
B.S. in E.E. 1925, Carnegie Institute of Technology.		Knosher, Vernon William	Wash.
M.S. in E.E. 1928, Massachusetts Institute of Technology.		Knott, Myrtle Posey	D.C.
Jue, Lemuel	Calif.	Knowles, John Philip	D.C.
Kache, Virginia	Va.	Knox, Weston Weiss	Va.
A.B. 1928, The George Washington University.		Koehne, Grace Louise	Ind.
Kampe, Albert Henry	Mich.	A.B. 1926, Butler University.	
B.S. in C.E. 1924, The George Washington University.		Krajci, Samuel	Ill.
Kapikian, Ashan	Tenn.	Kranauer, Reginald Joseph	D.C.
Kassan, Robert Jack	D.C.	Krasnitz, Alexander	N.Y.
Katzman, Morris	D.C.	A.B. 1928, The George Washington University.	
Kaufman, Wilbur Richard	D.C.	Kretchman, Charles Monroe	Pa.
Keane, Nora Lee	Pa.	Krug, Walter John	Calif.
Keefe, Clara Louise	D.C.	Kuchera, Anne Ruth	D.C.
Keener, John R.	D.C.	Kuperstein, I. Joseph	Pa.
Keesacker, Mary M.	W.Va.	Kupfer, Julie Adele	D.C.

Lacey, Trammell Calhoun A.B. 1927, University of Texas.	Tex.	Liebler, Margaret Antoinette Lightfoot, Charles Eastman	D.C. Va. Va. Va.
Ladd, Allen Quarles	Va.	Ligon, David S.	
Laffey, Anna	Pa.	Lincoln, Clarence Elizabeth A.B. 1925, Elon College.	Minn. S.C.
Lamb, George Anthony A.B. Columbia University of Portland.	Idaho	Lindquist, Willis John	
Lamoate, Angel Cementiza	P.I.	Lindsay, Lowry	
Lamphere, Phineas Harold B.S. in E.E. 1927, University of Idaho.	Mont.	A.B. 1927, Wofford College.	W.Va. D.C. D.C. W.Va. D.C. D.C.
Landis, Florence Pugh A.B. 1925, North Carolina College for Women.	D.C.	Lineweaver, Hans	
Lane, Robert Phillips	D.C.	Linger, Esther Lucille	
Langshaw, Gertrude	Much.	Linger, Irving O.	
Lannan, John Vincent	Minn.	Link, Anna Moore	
Larcombe, John Ray	D.C.	Link, Dennis Clemence	
Larrazolo, Mildred Tisdale	D.C.	Link, J. Harold	
Lassly, Annie Willis	D.C.	Lippart, Lois Catherine	
Latterner, Josephine	D.C.	Little, Ruth Elizabeth	
Levine, Estelle	D.C.	Littlepage, Thomas Price, jr.	
Lawhorn, Gladys Mason Ph.B. 1907, Marietta College	D.C.	Livingston, Nola E.	
Layton, Frances May	Okla.	Lockwood, Katharine Robb	
Layton, Norma Dorothy	Colo.	Lohmann, Elsa	
Layton, Philip Raymond	Colo.	A.B. 1927, The George Washington University.	D.C.
Leaf, Leah Lenore	Md.	Loman, William Moore	
Leatherbury, Iris Beatrice	Md.	A.B. 1927; A.M. 1928, The George Washington University.	Md. Md.
Lebel, Arthur Leo	D.C.	Long, Bryant Alden	
A.B. 1928, Georgetown University		Long, Edgar F.	
Ledford, Denton	D.C.	A.B. 1911, Blue Ridge College.	N.C.
Lee, Alice Roosevelt	D.C.	A.M. 1916, University of Kansas.	D.C.
Lee, Donald E.	Wia.	Long, Odell Blair	
Lee, Joseph Fitzbaugh	D.C.	Longyear, Robert Dudley	
Lee, Mary Virginia	Ill.	A.B. 1918, Harvard University.	D.C. Pa. D.C.
A.B. 1920, The George Washington University.		Lord, Carolyn Margaret	
Lee, Robert Edward	D.C.	Lord, Clarence Irving	W.Va. D.C.
LeGates, Eber Thomson	Del.	Lord, Robert Archibald	
B.S. in E.E. 1928, University of Delaware.		Loucas, George Emanuel	
Lehman, Walter Sherwood	D.C.	Loving, Laura Hinemon	
Leigh, Alfred Day	Va.	A.B. 1927, Randolph-Macon Women's College.	D.C.
Leighey, Marjorie Theodora	D.C.	Lowdon, Graham Norris	
Leighey, Robert A.	Ohio	B.S. 1920, Washington and Lee University.	W.Va. W.Va. Minn. Chas. Ark. Calif. W.Va.
Leiser, Andrew E.	D.C.	Lowe, Charles Samuel	
A.B. 1930, Wittenberg College.		Lowe, Nan Rector	
LeMenager, Marcelle	D.C.	Lowrey, Perrin Holmes	
A.B. 1928, The George Washington University.		Lu, Shui Ke	
Leonard, Genevieve Mannakee	Md.	Luce, Elizabeth Scott	
LeRoy, Claude A.	N.Y.	Luckey, Isaiah C.	
E.E. 1934, Cornell University.		Ludwig, Robert Eugene	
Levin, Leon	N.J.	A.B. 1926, The George Washington University.	D.C. D.C. Pa. Va. Mass.
A.B. 1928, Lehigh University.		Luero, Margaret Frances	
Levin, Samuel J.	D.C.	Lyman, Josiah	
Levy, Edythe Simson	W.Va.	Lynch, George Francis	
Levy, Harold Allen	W.Va.	Lynch, Raymond Montgomery	
Levy, Hyman	N.Y.	Lynsky, Myer	
Lewis, Hyman Leon	D.C.	B.S. 1928, Massachusetts Agricultural College.	Ca.
Lewis, Mary Garrett	D.C.	Lyons, John Leonard	S.D.
A.B. 1927, Michigan State College.		A.B. 1925, Emory University.	
Lewis, Ollie Lee	D.C.	Lyons, Sarah Agnes	
A.B. 1917; M.S. 1920, The George Washington University.		A.B. 1910; A.M. 1924, University of South Dakota.	
Lewis, Thomas Watts	D.C.	MacDonald, Guy Thornton	Ala. Va. Ind. D.C. Md.
Lewis, William Alexander, jr.	Kan.	MacDonald, Ronald	
Lewis, William O.	Ohio	MacDuff, Gertrude	
Lexen, Bert Richard	Ariz.	MacDuff, Russell Ulrich	
B.S. 1925, University of Michigan.		Macgill, Winfield Scott, jr.	
Liang, Yuen-li	China	B.S. 1928, University of Virginia.	Pa. Pa. D.C. D.C.
I.L.B. 1926, Soochow University.		Machmer, Elta H. M.	
Libowitz, Aaron M.	Md.	Machmer, John H.	
Licklider, William Boyd, jr.	W.Va.	Madarang, Estanislao Macarates	
		Mages, William George	

Students Registered

XCV

Magruder, John	Va.	McNutt, Agnes Louise	D.C.
Malley, Lester J.	D.C.	McPeak, William Wallace	Tenn.
Mamaril, Mateo L.	P.I.	McPherson, Julia Virginia	D.C.
Mamaril, Pablo P.	P.I.	McQueen, James Milton, jr.	D.C.
Mangawana, Valentin Rullan	P.I.	McReynolds, William Emmert	D.C.
Manian, Joseph Charles	D.C.	Mealy, Raymond James	D.C.
B.S. 1926, Massachusetts Institute of Technology.		Mecum, Ida May	D.C.
Manly, Wanda Toll	Va.	A.B. 1929, State University of Iowa.	
Mantell, Leon Michael	N.Y.	Meloy, Jean Nourae	D.C.
Marien, Ben C.	Mon.	Mendel, Charles Louis	D.C.
Marks, Richard C.	Wash.	Mendelson, Herman	Md.
Marquis, Roger Phillips	D.C.	Mendenhall, Paul	Ind.
Marsh, Albert Fenwick	D.C.	Menke, Blaine Herman	Nev.
Marshall, Gwendolyn Anne	D.C.	Mercier, Alfred Albert	D.C.
Marshman, Esther Weaver	D.C.	Merdian, Bertha	D.C.
Martell, Helen Marie Couteau	N.Y.	Meriam, Anne Whitheld	Md.
Martin, Eugene Maurice	D.C.	Mermelstein, Milton Emanuel	N.J.
Martin, George Bernard	D.C.	A.B. 1910, The George Washington University.	
Martin, Herbert Lester	Kan.	Metro, Elizabeth Judith	D.C.
Martin, M. Lucile	Idaho	Meyer, Arthur J.	Pa.
Martin, Martha F.	Ill.	Meyer, Ralph Griffith	Ill.
Martin, Ovid Harold	Ga.	Mike, Louis	Ark.
Mason, Chlorus K.	Okl.	Milkie, Mary Helen	D.C.
Mason, Jack Wellons	Mo.	Miller, Albert A.	Md.
Mason, Walter Ballard	D.C.	Miller, Bruce Ervin	Ohio
Masson, Mary Graham	Idaho	Miller, Charles Herbert	Va.
A.B. 1928, The George Washington University.	D.C.	Miller, Florian George	Pa.
Masterton, Herbert Alexander	Mass.	B.S. in M.E. 1929, University of Michigan.	
Mather, Fred Elbert	Ill.	Miller, Jay Howard	N.J.
B.S. 1895, University of Illinois.		Miller, Mahinda Katharine	Ky.
Mathis, Mary	Ga.	B.S. 1917, Columbia University.	
Matson, Frederic Church	D.C.	Miller, Margarer Helen	D.C.
E.E. 1929, Lehigh University.		Miller, Raymond Herrman	D.C.
Mattux, Gail	Ohio	Miller, Robert Saunders	Ohio
Maxwell, Alan Chase	Iowa	A.B. 1928, University of Michigan.	
A.B. 1927, University of Iowa.		Miliken, Kenneth A.	Me.
Maxwell, Laurel H.	Mich.	Milmore, Oswald Herman	Calif.
Maxwell, Wilma Frances	Ohio	B.S. 1929, University of California.	
May, I. Herbert	Idaho	Miltnerberger, Fred Emile	Va.
May, William Pickford	D.C.	Milwee, R. Frank	Ark.
Maybee, Harold Vicory	D.C.	Mina, Vincent	N.Y.
McCain, Lucile	S.D.	Mindlin, Lillian	D.C.
B.S. 1927, South Dakota State College.		Mitchell, Edythe Alyne	Md.
McCallum, Katherine E.	N.C.	Mitchell, Emiley Floyd	Md.
McCandless, David Alexander, jr.	Ky.	A.B. 1910, The George Washington University.	
McCarthy, Thomas A.	D.C.	Mitchell, Peter	Iowa
A.B. 1930, The George Washington University.		Mitman, Harry Ammon	Pa.
McClelland, Casper Shepard	Pa.	Ch.E. 1924, Lehigh University.	
McCoy, Edith	D.C.	Moata, Paul L.	Md.
McCoy, Jess James	W.Va.	Mohagen, Verna Clarice	N.D.
McCoy, Ralph Richard	Ind.	Molyneux, Ruth King	D.C.
McCusker, James Joseph	D.C.	Moore, Louise M.	D.C.
A.B. 1927, LaSalle College.		A.B. 1926, The George Washington University.	
McFadden, Mable	Md.	Moore, Margaretta Ruth	Md.
McGann, Burton Allen	D.C.	Morfesi, Louisa Elizabeth	D.C.
A.B. 1929, University of Maryland.		Morgali, Milford Ralph	Nev.
McGhee, John Curran	Va.	Morgan, Mabel Faud	D.C.
McGrew, Irvin	Tenn.	Morgan, Prentice G.	N.Y.
McIntyre, William Mullins	D.C.	Morhart, Frederick Henry	D.C.
McKee, Florence Melvax	W.Va.	Morrill, Giles Oliver	Wash.
McKelvey, Agnes Elizabeth	D.C.	Morris, Henry McAllen	D.C.
McLaughlin, Damian John	Pa.	A.B. 1923, Davidson College.	
McMillan, Hugh Charles	Mich.	A.M. 1929, The George Washington University.	
McNallen, Wilbur Thomas	Minn.	Morris, Rachel Mary	N.Y.
McNeely, John Hamilton	D.C.	Morris, Sara Roberta	D.C.
A.B. 1930, The George Washington University.		Morris, Walter Newth	Pa.
McNeil, Harold Osman	D.C.	Morris, William Jacob	D.C.
McNeill, George Hamilton	D.C.		
A.B. 1929, Wake Forest College.			

Morse, Excellenza Leah	Vt.	Norton, Ivy Lillian	Me.
A.B. 1920, University of Vermont.		A.B. 1920, American University.	D.C.
B.S. 1922, M.S. 1925, Massachusetts Institute of Technology.		Norton, Leland Dean	Okl.
Morse, Harry S.	D.C.	Norvell, George Eldon	Pa.
B.S. 1911, University of Vermont.		A.B. 1922, University of Oklahoma.	Pa.
Moser, Karl Jones	D.C.	Notarianni, Alfred Edward	Md.
B.S. 1915, Central Missouri State Teachers' College.		Nowell, Margaret Lenora	Md.
Moss, Ralph Howell	Ga.	Noyes, Alfred D.	Va.
A.B. 1911, Mercer University.		Nugent, John Anthony	Miss.
Mulvey, Fred	D.C.	Nurr, Oneida Virginia	
Murayama, Ken	D.C.	B.S. State Teachers' College, Mississippi.	
Murdock, Franklin Joseph	Utah	Nutter, Helen Blanche	Va.
Murphy, Alice Elizabeth	D.C.	Nyholm, Jens Peter	Denmark
Murphy, Elbert Monroe	D.C.	B.S. 1928, Columbia University.	
Murphy, Maurice John	D.C.	O'Brien, James William	Mass.
A.B. 1908, Butler College.		O'Brien, Ruth	D.C.
LL.B. 1910, Indiana University.		B.S. 1914, A.M. 1915, University of Nebraska.	W. Va.
Murphy, Thomas F.	D.C.	O'Brien, Thomas Patrick	
Murray, Charles Winston	D.C.	A.B. 1927, Mount St. Mary's College.	D.C.
B.S. 1924, University of Delaware.		Ockerhausen, Marie Fredericksa	
Muth, George Edward	D.C.	A.B. 1930, The George Washington University.	N.Y.
Myers, Gertrude	Ky.	O'Connor, Joseph Louis	
Myers, Paul Gordon	D.C.	A.B. 1926, The George Washington University.	D.C.
		O'Connor, Margaret Veronica	W. Va.
Nagae, Cayetano C.	P.I.	Offutt, Edna Venora	
Nash, Paul Revere	D.C.	A.B. 1928, University of West Virginia.	Minn.
B.S. in E.E. 1925, Massachusetts Institute of Technology.		O'Hanrahan, Edmond Constantine	Wash.
Nathanson, Leon Irving	D.C.	Olson, Earl Stanley	
Natchemper, Louis David	Ind.	B.S. 1927, University of Washington.	Wis.
Naughton, John Barry	N.Y.	Olson, Grant Orlando	Ill.
Nead, John Elmer	Iowa	A.B. 1926, Luther College.	
Nedrow, William Muir, jr.	Neb.	O'Malley, Thomas Richard	D.C.
Nedham, Edward Vincent	N.Y.	B.S. 1919, Amour Institute of Technology.	Md.
Nedham, Patrick Henry	N.Y.	Omwake, Mildred E.	
Neff, Paul Raymond	Ohio	O'Neill, Catherine Ann	D.C.
B.S. 1921, Heidelberg College.		A.B. 1928, The George Washington University.	D.C.
A.M. 1927, The George Washington University.		O'Neill, John Behrens	Pa.
Neilson, George D.	Utah	O'Neill, John Thomas	D.C.
B.S. 1928, Utah State Agricultural College.		Ordish, William Jay	Utah
Nelson, Ali William	D.C.	Orleans, Sol	Va.
A.B. 1924, University of Minnesota.		Orton, William Henry	Utah
Nelson, Esther	Minn.	Osbourn, Eugene Hilary	Conn.
Nelson, Reuben Andrew	Calif.	Osmund, Alfred Wendell	Conn.
Nesbitt, Mary K.	Kan.	Olsen, Edward Robert	Md.
Neubauer, Theodore A.	Tex.	Olsen, Jay Jack	D.C.
B.S. 1928, Texas Agricultural and Mechanical College.		Owens, John Warren	D.C.
Nevius, Laura May	Md.	Ozenburg, Mildred Doris	Va.
Nevius, Richard David	D.C.	Padgett, A. Madeline	D.C.
Newton, Benjamin B.	N.C.	Paotter, Eunice Merle Mizelle	Pa.
Newton, Edward Taylor	Ga.	Paotter, Florence Miamie	D.C.
B.S. in E.E. 1926, Georgia School of Technology.		Paotter, Jack Newton	Utah
Neyman, Clinton Andrew	D.C.	Palmer, Gladys Edith	Va.
A.B. 1911, Denison University.		A.B. 1925, The George Washington University.	Utah
Nicholson, Donald Lon	Pa.	Palmer, John William, jr.	Conn.
A.B. 1928, Bucknell University.		Paquin, Gerard Alfred	Md.
Nielsen, Glen Edwin	D.C.	Paradin, Henry LeMay	D.C.
Nipe, Merlin Harris	D.C.	Parol, James Don	
Niss, Arthur C.	Ill.	Parker, Albert Marcus	D.C.
A.B. 1924, University of North Dakota.		B.S. in M.E. 1928, University of Maine.	Va.
Noack, Fannie Reoden	D.C.	Parker, Donald William	Kan.
Noble, Moss	Ky.	Parker, James Clarence, jr.	D.C.
A.B. 1927, Berea College.			
Nolan, William Richard	Mass.		
Norris, Edith Van Ess-Craig	D.C.		
Norris, John Harmon	Ill.		

Students Registered

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Parker, Laurence	D.C.	Powell, Mary Anna	D.C.
Parker, Vera R.	Md.	A.B. 1924, University of Richmond.	
A.B. 1929, The George Washington University.		Powell, William M.	Pa.
Parrish, Eldon Maton	W.Va.	Prangley, Arthur George, jr.	D.C.
Parsons, Verna Lenore	D.C.	B.S. 1925, University of Maryland.	
Parsons, James Hollister	D.C.	Prescott, Kenneth Tuttle	D.C.
Parsons, John Earl	D.C.	Pressly, Dorothy Bonar	Okla.
Parton, Dorothy Martha	D.C.	A.B. 1925, University of Oklahoma.	
A.B. 1924, The George Washington University.		Price, Glen Wilder	D.C.
Pasternak, Samuel	D.C.	Price, Leonard H.	Md.
Patterson, George Daniel	Ala.	Price, Warren, jr.	D.C.
B.B.A. 1928, Emory University.		Prince, Darius Finley	Tenn.
Patterson, Kirby Williams	Mo.	A.B. 1925, Maryville College.	
A.B. 1928, Drury College.		Proctor, Harry William	D.C.
Patterson, Phyllis Lea	D.C.	Proctor, Ralph Lowe	N.C.
Pattie, Katherine Lynn	Va.	A.B. 1927, Duke University.	
Paugh, Dorothy Alice	D.C.	Proffitt, Claude Lee	D.C.
Paulus, George Melchior	Wis.	Proffitt, Edith Louise	D.C.
Payne, John Byrd	Md.	Protzman, Eugenia Herbert	Va.
Payne, Seymour Blair	D.C.	Puhak, Andrew Ivan	Pa.
Payne, William Burbridge	W.Va.	Pullen, Elizabeth Hanna	W.Va.
Pecoraro, Leone	N.Y.	A.B. 1927, Marshall College.	
A.B. 1928; M.A. 1929, Columbia University.		Pyle, Elizabeth Adaline	D.C.
Pedersen, Marcus Jeppesen	D.C.	Quarles, Henry	D.C.
Peng, Chanhoun	China	Querfeld, Dale Wade	Ill.
Pergler, Carl	D.C.	Quick, James Clifton	D.C.
Periman, Bess	Ark.	Quijano, Juan R.	P.I.
A.B. 1928, University of Arkansas.		Quinn, Joseph Patrick	Md.
Perkins, Lewis Bryant, jr.	D.C.	Rackstraw, Elsie	D.C.
Perkins, Paul	D.C.	Rader, Lewis Franklin, jr.	Colo.
Perlman, Anne Beatrice	D.C.	Radue, Richard Glover	D.C.
Perlstein, Sam	D.C.	Ragan, Joseph Bernard	D.C.
Permut, Jack	D.C.	Ragatz, Mary Parker	D.C.
Perry, John Watson	D.C.	A.B. 1927, Texas Christian University.	
Peter, Walter Gibson, jr.	D.C.	A.M. 1928, Northwestern University.	
Peterson, Hazel Alberta	D.C.	Raley, Irving James	D.C.
A.B. 1930, The George Washington University.		Rambo, Tremaine E.	Tex.
Petty, Wirt Hayes	W.Va.	Ramsey, Ralph Edison	Iowa
Petty, Dorothy Clay	D.C.	Rasch, Richard Kinsey	D.C.
Pfeifer, Charles Michael	Md.	Rask, Henry George	N.Y.
Philbrick, Howard Reginald	Wash.	Ratchiffe, Joseph Leinson	D.C.
B.S. 1928, Oregon State Agricultural College.		Rawalt, Marguerite	Tex.
Phillips, Edith Sewall	D.C.	Rawlings, Richard Galt	D.C.
Philpitt, Blanche Willis	D.C.	Ready, Daniel	D.C.
Pickett, Leroy Woodson	Ky.	Reardon, Corinne Talmage	Va.
A.B. 1928, Asbury College.		A.B. 1918, Randolph-Macon Women's College.	
Pigman, William Ward	Ill.	Reardon, Donald	Mont.
Pilliod, Rosine	Ohio	Reavis, Betty Hill	N.C.
Pinck, Esther Surasky	D.C.	Reed, Fred C.	D.C.
A.B. 1912, Winthrop College.		Rees, William Chevers	D.C.
Piniera, Felix Martin	P.I.	Reeve, Laura M. W.	D.C.
Pippin, Robert Comegys	Md.	A.B. 1921, The George Washington University.	
Pittman, Lenard Elmore	Ind.	Reichmann, Owen G.	Utah
B.S. 1926, Indiana State Teachers' College.		B.S. 1924, University of Utah.	
Pitts, Jack Dickson	Ga.	Reikes, Rose	D.C.
Polacoff, Milly	Va.	Reilly, Michael	Mont.
Polacoff, Yetta	Va.	Renkel, Roland W.	Colo.
Polkinhorn, John Henry	D.C.	Revilla, Manuel Gonzales	Panama
Pollack, Mae	Ohio	Reynolds, Anna Louise	Ga.
Foretsky, Sylvia Mildred	D.C.	A.B. 1928, The George Washington University.	
Portch, J. Harry	D.C.	Reynolds, Elizabeth Veronica	D.C.
Porter, Claire Raymond	Iowa	Rice, Julius Herbert	D.C.
Porterfield, Dorothy	Ark.	Rice, Manuel Wheeler	D.C.
Potts, John Bernard	Va.	Rice, Roland McLaren	Md.
A.B. 1925, The George Washington University.		A.B. 1920, American University.	
Powell, Harold Neally	D.C.	Richard, D'Albert J.	La.
		Richardson, William Burton	D.C.

Richey, Robert Charles	Ohio	Sannebeck, Norville Harrison	Mo.
Richman, Samuel	D.C.	Santos, Felicissimo A.	D.C.
Richwine, Barton Winters	D.C.	Sargent, Collier Thornhill	D.C.
Riedel, Julia Mills	D.C.	A.B. 1921; A.M. 1922, The George Washington University.	P.I.
B.S. in Ed. 1927, State Teachers' College, Virginia.		Saribay, Teaflo, B.	Va.
Riley, Edwin A.	Mo.	Savage, Robert Duval	D.C.
Riscassi, Leon	Conn.	Sawbridge, Ben M.	Md.
Ritchie, Don C.	D.C.	Sawtelle, Matthew Trimble	D.C.
Roberts, Grace E.	D.C.	Sawyer, Grace Henrietta	W.Va.
Roberts, Ralph S.	Utah	Schaeffer, Paul Eugene	Md.
Roberts, Sarah Pickens	D.C.	Schafer, Virginia Allys	Va.
A.B. 1929, Radcliffe College.		Scharinger, Anna	Wash.
Robertson, Edward Donald	Iowa	Schaub, Pauline Louise	Md.
Robertson, Robert Hayes	Ill.	Schermerhorn, Lee Richard	
A.B. 1927, Wabash College.		Schimmel, Joseph	
Robinson, Elizabeth Winona	D.C.	B.S. in Ch. E. 1923, Carnegie Institute of Technology.	N.D.
Robinson, William Junius	D.C.	Schlenker, Alvin C.	Ohio
Roeser, Haskell Peter	D.C.	Schmid, Paul Fred	D.C.
Rogers, John Howard	D.C.	Schmidt, Regina M.	D.C.
Rohrer, Carl Pepper	Va.	Schmidt, Ruth Bertha	D.C.
Roldan, Juan Boyce	P.I.	Schneider, Harold	S.D.
Rollins, Milton	N.Y.	Schonsfelder, Otto William	D.C.
Rollins, Pearl S.	D.C.	Schopmeyer, Clifford Scharff	D.C.
Rollins, Richard A.	Va.	Schott, Frances Lee	Kan.
Ronning, Henry Leigh	Minn.	Schrader, Milward Cecil	Md.
Rosenberg, Paul	D.C.	Schreiner, Oswald, jr.	D.C.
Rosenburg, Everett Reynolds	N.Y.	Schrenk, Kathryn Hess	Neb.
E.E. 1924, Rensselaer Polytechnic Institute.		Schrivner, Martha Winifred	D.C.
Rosendorf, Marian Eunice	D.C.	Schroeder, Katharine Elizabeth	N.J.
Rosenfeld, Della	D.C.	Schulz, Hugo Otto	
Rosoff, Leo	Mass.	M.E. 1927, Stevens Institute of Technology.	D.C.
Rounds, Elizabeth Wilkinson	D.C.	Schurman, Ruth	Ala.
Rouse, Sara Pierce	D.C.	Schutte, Emma C.	Idaho
Rowe, Lionel Lewis	Va.	Schuttler, Norman Nedwin	
Graduate, 1914, U.S. Naval Academy.		B.S. in E.E. 1927, University of Idaho.	Md.
Rubenstein, Lillian	D.C.	A.M. 1927, Harvard University.	Conn.
Ruddiman, Harry D.	D.C.	Schutz, Evelyn Elizabeth	D.C.
Rude, Gilbert Britt	D.C.	Schwartz, Sam	D.C.
Rudnick, Jo Eileen	D.C.	Schwartz, Sylvia Teresa	D.C.
Ruediger, Imogene R. I.	D.C.	Sciaccia, Albert James	D.C.
Ruediger, Monta Hazel	D.C.	Secord, Crist G.	
Rupert, J. Allison	Pa.	A.B. 1925, The George Washington University.	Utah
A.B. 1927, Ohio State University.		Scott, Arnold Eden	Mich.
Ruth, Dorothy Mae	D.C.	Scott, Francis Patrick	Ga.
A.B. 1930, The George Washington University.		Seagraves, Carl	Iowa
Rutter, Ella P.	D.C.	B.S. 1928, University of Maine.	
Rutter, Janet Goodwin	D.C.	Seaton, Warren	Ala.
Ryan, Margaret Frances	Mass.	A.B. 1926, State University of Iowa.	D.C.
Ryan, Thomas John	D.C.	A.M. 1927, Harvard University.	Mass.
Graduate, 1920, U.S. Naval Academy.		Seay, Thomas Hardie, jr.	D.C.
Ryerson, John Edward	D.C.	Seegmiller, Keith Lorraine	D.C.
A.B. 1928, University of Maryland.		Seers, Joseph Deodat	D.C.
Sa Ard, Mejudhon	Siam	Segal, Stanley Marvin	N.J.
Sagui, Osmond N.	P.I.	Sidel, William	D.C.
Saidman, Rose Esther	D.C.	Sena, Dick	Utah
St. John, Heapar Ethel	Kan.	Sentel, Clara Beard	D.C.
B.S. in Ed. 1926, Kansas State Teachers' College.		Senkowsky, DeForest Edwin	
Sakis, George P.	D.C.	Sewell, Reese L.	Ohio
Sample, Lloyd Erle, jr.	W.Va.	B.S. 1928, University of Maryland.	
A.B. 1928, West Virginia University.		Shankland, Robert Sherwood	D.C.
Sams, Daisy Belle	Ky.	B.S. 1929, Case School of Applied Science.	N.Y.
A.B. 1928, Georgetown College.		Shannon, Anne	D.C.
Samuel, Helen Ethel	Va.	Shapiro, Frank	N.J.
A.B. 1921, Swarthmore College.		Shapiro, Jack Charles	
Sandberg, Katherine S.	D.C.	Shapiro, Samuel	
Sandidge, Emma Jean	Va.	A.B. 1926, The George Washington University.	D.C.
Sanford, Anna Laura	D.C.	Shaw, E. Carey, jr.	
Sangster, Harold Lee	D.C.		
Sankowski, Sophia Martha	N.J.		

Students Registered

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Shaw, Thomas Martin		Smith, Ray Leonel	D.C.
Shea, Laurence Michael	Pa.	B.S. in E.E. 1924, Kansas State	
A.B. 1928, Boston College.	Mass.	Agricultural College.	
Shearer, Howard Elsworth	D.C.	A.M. 1927, The George Washing-	
Sheldon, Clifford Arthur	Iowa	ton University.	
Shelton, Frederick DeWitt	Mo.	Smith, Reginald Frank	Pa.
A.B. 1916, Drury College.		C.E. 1929, Lehigh University.	
Sherman, Kenneth Lee	N.Y.	Smith, Roger Don	D.C.
Sherwood, William Earl	Ky.	Smith, Rudolph M. J.	Md.
B.S. in M.E. 1927, University of		Smoot, Charles Effinger	Pa.
Kentucky.		Smoot, H. Kenneth	D.C.
Shewmaker, Sibyl	D.C.	Smoot, S. N.	D.C.
Shimp, James Harrison	D.C.	Smyth, Dorothy W.	Wyo.
Shipper, Mary Fravel	W.Va.	Snell, Carolyn Esther	D.C.
Shorts, H. Daniel	D.C.	Snieskoski, John Peter	D.C.
A.B. 1918, Allegheny College.		Snyder, George Henry Schafer	D.C.
A.M. 1927, Columbia University.		Snyder, Henry Sol	D.C.
Showman, Fred H.	Iowa	Snyder, Lloyd	D.C.
Shuford, Edward Louis	D.C.	Snyder, Lou Cooper	D.C.
Sickler, Donald Reginald	D.C.	Snyder, Monica Catherine	D.C.
A.B. 1930, The George Washington		Sobotka, Clement John, jr.	Md.
University.		Somers, Milton Michael	Md.
Sickler, Gerald Whitmore	D.C.	Sommer, Luzzo S.	Mo.
Siegler, Eugene Alfred	D.C.	Sommerville, James William	Va.
B.S. 1915; M.S. 1918, Pennsylvania		Sompayrac, Powell Lawrence	Okl.
State College.		Sowers, William Risque	Md.
Siegrist, Marie Louise	D.C.	Spahr, Effie Mildred	D.C.
Silva, Roque P.	P.I.	Sparks, Neal W.	Wyo.
Silverman, Charles Colman	D.C.	Spaulding, Augusta de Laguna	D.C.
Silverman, Gertrude Paul	Md.	A.B. 1912; A.M. 1913, University	
Silverman, Louis Charles	D.C.	of California.	
Silverman, Meyer	N.Y.	Speer, Hugh Wilson	Kan.
Simmons, Benjamin Taylor, jr.	N.C.	A.B. 1928, American University.	
Simon, Louis	N.Y.	Speer, Larken	Tex.
Simons, Macon McCorkle	N.C.	Speich, John Emanuel	D.C.
Simons, William Heral	N.Y.	Spence, Genevieve Seville	D.C.
A.B. 1928, The George Washington		Spencer, Oscar Lublin	D.C.
University.		Spenny, Elsie Frances	D.C.
Simonton, Kinsey M.	Ore.	Sperry, August W.	Fla.
Simpson, Joseph Bernard, jr.	D.C.	Spivak, Joseph Harry	Conn.
Sinclair, Barbara	D.C.	Spooner, Beth	Kan.
Sinder, Alice D. B.	D.C.	Stadler, Robert Burt	Tex.
Sipahi, Rudjhan Nadji	D.C.	A.B. 1922; A.M. 1925, The George	
Sirz, Walter Hoersch	Iowa	Washington University.	
Graduate, 1916, U.S. Naval Academy.		Stamm, Lena Mae	Ohio
Stelton, Edythe Lillian	Va.	A.B. 1928, Berea College.	
Stelton, Hetty Anna	Va.	Stanley, Raymond E.	Fla.
Staird, Walter John	Minn.	Stapf, Earl Fred	Ohio
Slayton, Nancy Alton	Md.	Staufner, Marcia Clokey	D.C.
Slechta, Marie Genevieve	D.C.	Stearns, Robert Maynard	Iowa
Sloane, Ulric	D.C.	Stuin, Elizabeth	D.C.
Smalley, Henry Sonna	D.C.	Stein, Katharyne Anna	D.C.
Smith, Adele Katharine	D.C.	Steiner, Alexander Watman	N.J.
Smith, A. Leonard	Pa.	Stepakof, Harry	Conn.
Smith, Carroll Newton	D.C.	Stephens, Thomas	D.C.
Smith, Dorothy Fisher	Va.	B.S. 1928, University of Maryland.	
Smith, Dorothy May	D.C.	Sterrett, William Dent	D.C.
A.B. 1928, Greenville Woman's		Sterritt, John Calhoun	Pa.
College.		M.E. 1928, Cornell University.	
Smith, Erith MacDonald	Canada	Stewart, Lettie Erhel	D.C.
Smith, Gertrude B.	D.C.	A.B. 1918, The George Washington	
Smith, Jomer Jay	D.C.	University.	
Smith, James Leo	D.C.	Seilaon, Eunice Cogswell	D.C.
B.S. in C.E. 1917, Iowa State		Stimson, Jesse LeRoy	D.C.
College.		Stinnett, George Minns	D.C.
Smith, Kline Howell	S.C.	Stocker, Lucy Rebecca	Ohio
A.B. 1925, Wofford College.		Stohl, Carl Gust	Ill.
Smith, Mary E.	D.C.	Stolar, Hannah Hesse	D.C.
Smith, Mary P.	W.Va.	Stolar, Myer Harold	D.C.
Smith, Melvin Clyde	W.Va.	Stone, Gordon Oliver	Va.
A.B. 1927, West Virginia University.		Stone, Lillian Helen	Mass.
Smith, M. Gertrude	D.C.	Scout, Agnes J.	D.C.
Smith, Milton	D.C.	Stringham, Marjorie Elizabeth	Va.
Smith, Miriam L. Orton	Md.	Stromberg, Robert Earl	Neb.

Serong, Andree Laurans	D.C.	Thulemeyer, Lawrence Carrington	Wyo.
Seubbs, Donald H.	D.C.	Thurston, Evangeline	D.C.
A.B. 1929, The George Washington University.		A.B. 1916, The George Washington University	D.C.
Stukes, James Edward	Ga.	Tillema, John Albert	
Stumm, Erwin Charles	Calif.	A.B. 1914, Hope College	
Sturm, Edna L.	Ind.	A.M. 1917, University of Michigan.	
Stutz, Laurence Oliver	D.C.	Ph.D. 1924, Washington University.	
Stryon, Elizabeth Buttroughs	D.C.	LL.B. 1928, The George Washington University.	III
A.B. 1930, The George Washington University.		Tillotson, John Wallace	D.C.
Suber, James Whitley	Miss	Titus, Edward Farrell	S.C.
B.S. 1928, Mississippi Agricultural and Mechanical College.		Toul, Frederick Clifton	D.C.
Sunscum, Timothy C.	Ecuador	Tobias, Anna Katherine	III
Sullivan, George David	N.Y.	Tolene, Marie G.	Calif.
Graduate, 1927, U.S. Naval Academy		Toles, Grace Mae	
Sullivan, Nana F.	D.C.	A.B. 1924, College of the Pacific.	D.C.
Sullivan, Verne Raymond	Wis.	Toloni, George	D.C.
Summers, Catherine Snowden	Va.	Topping, D. W.	D.C.
Summers, Richard Aldrich	Ariz.	Tortey, Morgan Caywood	Wash.
A.B. 1926, University of Arizona.		Tove, Francis Gerald	
Sunderwith, Leeta Ackley	Colo.	B.S. in E.E. 1927, Clarkson College of Technology.	D.C.
Suter, James Marion	D.C.	Trammell, Charles Monroe	D.C.
Swartwout, John Alden	D.C.	Tranham, Forrest	N.C.
Swiger, Paula Edith	W.Va.	Tremain, Rawleigh Lewis	
Swope, Bradford	D.C.	A.B. 1921, Guilford College.	
Swope, Edwin	N.M.	A.M. 1926, University of North Carolina.	Va.
Sydenstricker, Vivian A.	Ga.	Trent, Adelaide Royall	
A.B. 1927, Presbyterian College of South Carolina.		A.B. 1922; A.M. 1923, The George Washington University.	D.C.
A.M. 1929, The George Washington University.		Triggs, Matthew Lovell	Neb.
Symmes, Frank Aaron, Jr.	Ind.	Trilley, O. Edward	
A.B. 1920, Butler University.		A.B. 1928, The George Washington University.	D.C.
Symons, Josephine Dent	D.C.	Trostel, Mildred Mae	D.C.
		Trott, Lilla May	D.C.
Tait, Robert, Jr.	Va.	Truheim, Eva Mildred	N.Y.
Tang, Tsch-Ching	China	Tsunoda, Kimi	III
Tashel, Louis Anthony	D.C.	Tucker, James Stryche	D.C.
Taylor, Alfred Lindsay	N.Y.	Tudor, Chilton Carroll	R.I.
E.E. 1921, Rensselaer Polytechnic Institute.		Turgeon, Edward Philip	Va.
Taylor, Benjamin Comegys	D.C.	Turner, Julian Buford	D.C.
Taylor, Charlotte Mason	Md.	Turoff, Dora Miriam	
Taylor, Eva Noel	D.C.	A.B. 1929, The George Washington University.	D.C.
Taylor, G. Douglas	Utah	Twining, Merrill Barber	
Taylor, John Keenan	Md.	Graduate, 1919, U.S. Naval Academy.	D.C.
Telford, Helen Dorothy	D.C.	Twining, Vivian Peere	Mich.
Tentler, Max Melville	D.C.		
Tepper, Ben I.	D.C.	Ulbrex, Mark Arthur	
B.S. 1923, University of Pennsylvania.		B.S. 1928, Michigan State College of Agriculture and Applied Science.	D.C.
Tetrell, Richard Alfred	D.C.	Uncola, Raphael Gerald	N.D.
Thom, Alfred Pembroke, III	D.C.		P.I.
Thom, Beatrice	D.C.	Valman, Madeline J.	D.C.
Thom, G. Chester	D.C.	Valmoran, Pastor Cristobal	W.Va.
Thomas, Cyrus D.	N.H.	Vallee, Louis Marion	Ga.
Thomas, Madeline Agatha	D.C.	Van Meter, Kenny Chambers, Jr.	Ark.
Thomas, Sue Emmert	D.C.	Vaughan, Charles C.	D.C.
Thompson, Marvin Russell	D.C.	Vaughan, Thomas Rae	D.C.
Phar.Chem. 1926, University of Minnesota.		Veane, Ronald	Md.
Thompson, Samuel Craig	Ohio	Veldner, Henry Clay	Utah
A.B. 1926, Miami University.		Vourensky, Julian	Calif.
Thomson, Berry Maxine	Miss.	Vorren, Clinton DeWitt	P.C.
Thomson, Claudia	D.C.	Vrecklund, Marie Muller	Va.
Thomson, Ruby Ella	D.C.	Vryan, John Taylor	
Thorne, Francis B.	D.C.	Wies, Andrew M.	Ten.
Thornhill, Lucy A.	D.C.	A.B. 1921; A.M. 1922, The George Washington University.	
Thrasher, Anne Nelson	D.C.	Von Steuben, Louise Clara	
A.B. 1924, The George Washington University.		A.B. 1922, College of Industrial Arts.	
Thrift, Julia Littrell	Va.		

Students Registered

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Wagner, Richard D.	D.C.	Wilkins, Gordon Armstrong	Va.
Wainwright, Mildred Rowena	Ill.	A.B. 1926, University of Richmond.	
Wakeman, Crystal Driver	Va.	Williams, Emma Jane	Ohio
Walker, Amalie E.	D.C.	A.B. 1922, Asbury College.	
Wallace, Florence Catherine	D.C.	Williams, Martha Jane	Md.
A.B. 1927, The George Washington		Williams, R. Eugenia	D.C.
University.		Williams, Victor Francis	Me.
Wallace, Jesse Rink	Ill.	A.B. 1927, Bowdoin College.	
Graduate, 1922, U.S. Naval Academy.		Willard, John Earlton	Pa.
Waller, Fred E.	D.C.	Willis, Dewey Earl	D.C.
Walls, Alvin John	D.C.	Willoughby, Marion Frances	D.C.
Walsh, John Edward	N.J.	Willson, Elizabeth Gilpin	Md.
Waltemyer, Claude Monroe	D.C.	Wilpan, Charles Lionel	D.C.
Walter, Charles Samuel	D.C.	Wils, Esther Mae	D.C.
Walters, Murray Moses	N.C.	Wilson, Allen Morlan	D.C.
A.B. 1928, Duke University.		Wilson, Creola Daniel	Va.
Wang, Yah Chuan	China	Wilson, Emma	Ind.
A.B. Peking National Teachers'		Wilson, Gordon Kase	Pa.
College for Women.		A.B. 1926, The George Washington	
Wangler, Mildred Keith	D.C.	University.	
Ward, Anna Howard	Va.	Wilson, Howard	D.C.
B.S. 1929, State Teachers' College,		Wilson, J. Russell	Ala.
Virginia.		B.S. 1926, Alabama Polytechnic	
Ward, Louise Markley	D.C.	Institute	
Warren, Robert Sumner	La.	M.S. 1927, The George Washing-	
Wassmann, Karl George	Md.	ton University.	
Waterman, Bernice L.	Mich.	Wilson, Lee Roy	Ky.
Waters, Ethel Mae	D.C.	Wilson, Lois Elizabeth	D.C.
Waters, Nancy Weir	Va.	Winder, Mary Ida	D.C.
A.B. 1930, Goucher College.		A.B. 1922, Nebraska Central Col-	
Watkins, Rhoda	D.C.	lege.	
A.B. 1906; A.M. 1910, The George		A.B. 1924, Earlham College.	
Washington University.		Windsor, Paulina	D.C.
Watson, Kenneth Nicoll	D.C.	Wine, Joseph Albert	Va.
A.B. 1928, The George Washington		Wines, Lillian Gladys	D.C.
University.		Winik, Irving W.	D.C.
Watson, Ralph E.	Ind.	Wise, Virginia Ruth	D.C.
Watt, Merrill Worthing	Ohio	Witter, George Daniel	N.Y.
B.S. 1920, Kansas Agricultural		Wobensmith, Zachary Taylor, II	Pa.
College.		B.S. in M.E. 1927, University of	
Watts, Edna Ethel	D.C.	Pennsylvania.	
Weaver, Charles Rowland	Iowa	Wolcott, Carroll Johns	Md.
Webb, Delmar Evans	D.C.	Wolfe, Estella Alvina	Wis.
Weigel, Margaret B.	D.C.	Wolff, Ernest	D.C.
Weigel, William Robert	Md.	Wong, Wenson	China
Weintraub, Robert Louis	D.C.	A.B. 1923, Boone University.	
Weir, Sadye Lorena	D.C.	M.S. 1928, Columbia University.	
Weisbrod, William Gustavus	Wis.	Wood, William Edwin	Utah
Weiss, Ulrich	Germany	Woodcock, Virgil Eldon	D.C.
Weitzel, Fred Winfield	D.C.	B.S. 1927, Oregon State Agricul-	
Wells, William Van Horn	Va.	tural College.	
Welpley, Charles	D.C.	Woodside, Byron D.	Pa.
A.B. 1924, The George Washington		B.S. 1929, University of Pennsyl-	
University.		vania.	
Weltner, Ethel Winifred	Kan.	Woodward, Unis	D.C.
Werksman, Sylvia	D.C.	A.B. 1928, The George Washington	
Werner, John Herman	Md.	University.	
West, Wilburn Clyde	Utah	Woodzell, Stephen Russell	Va.
Westby, George Newton	Wash.	Woolf, Edward Magruder	D.C.
B.S. in E.E. 1927, University of		Woolman, Solomon	Pa.
Washington.		Worley, Eleanor Farmer	D.C.
Wester, Horace Volney	Va.	Wren, Jean McCreath	Pa.
Wester, Robert Emerson	Va.	Wren, Virginia	D.C.
Wetmore, Myrtle Victoria	Okla.	Wright, Elsie Star	D.C.
A.B. 1927, University of Oklahoma.		A.B. 1923, The George Washington	
Wheaton, Phila Lucile	N.Y.	University.	
Wheeler, Lulu Magdalene	D.C.	Wright, Harry Otis, jr.	Va.
Whitehead, John L.	D.C.	Wright, Lawrence Carter	Miss.
Wild, Estelle Parthenia	D.C.	A.B. 1927, University of Mississippi.	
A.B. 1928, The George Washington		Wright, Louise Ogden	D.C.
University.		Wu, Chia Jang	China
Wiley, Harvey Washington	D.C.	Wu, Ta-Kwang	China
Wilkie, Harry	Mont.		
B.S. 1928, Montana State College.			

Yang, Jay Yong
 Yates, Dorothy L.
 Yates, Helen Alberta
 Yeomans, Clyde Dawson
 Young, Ford Evans
 Young, John C.
 A.B. 1929, The George Washington
 University.
 Young, Mary S.
 Young, Rosebud Hopley
 Young, Truman Richards
 Young, Walter Hopkins
 A.B. 1924, Ohio Wesleyan University.
 Yu, Teh Yuan

T.H.
 Va.
 Va.
 D.C.
 Md.
 Ga.
 Va.
 Okla.
 Utah
 D.C.
 China
 Yuan, Tsi-Hsi
 Yun, Tchi Y.
 Zahniser, Howard
 A.B. 1928, Greenville College.
 Zangwill, Bernard Louis
 B.S. in E.E. 1929; M.S. in E.E.
 1930, Massachusetts Institute
 of Technology.
 Zimmerman, Elizabeth Lewis
 Zitt, Vernal M.
 A.B. 1924, University of California
 Zoch, Richmond Tucker
 Zola, Sam
 Zuras, Maria Amelia

China
 Korea

Ill.

D.C.

D.C.
 Fla.

Ala.
 D.C.
 D.C.

SUMMARY OF REGISTRATION

1930-31

THE JUNIOR COLLEGE

Freshmen.....	1,541
Sophomores.....	590

2,131

COLUMBIAN COLLEGE

Juniors.....	419
Seniors.....	224
Candidates for the A.M. degree.....	345

988

THE GRADUATE SCHOOL OF LETTERS AND SCIENCES

Candidates for the Ph.D. degree.....	72
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72

THE SCHOOL OF MEDICINE

First year.....	89
Second year.....	72
Third year.....	63
Fourth year.....	68

292

THE SCHOOL OF NURSING

First year.....	31
Second year.....	22
Third year.....	9

62

THE LAW SCHOOL

First year.....	256
Second year.....	285
Third year.....	194
Candidates for degree of LL.M.....	12
Unclassified students.....	13
Special students.....	9

869

THE SCHOOL OF ENGINEERING

Freshmen.....	218
Sophomores.....	93
Juniors.....	81
Seniors.....	51
Candidates for the degree of M.S.....	1

444

THE SCHOOL OF PHARMACY

Candidates for Phar.G. degree.....	50
Candidates for B.S. in Pharmacy.....	2

52

THE SCHOOL OF EDUCATION

Freshmen.....	86
Sophomores.....	116
Juniors.....	172
Seniors.....	92
Candidates for A.M. degree.....	140
Candidates for Ph.D. degree.....	29

635

THE SCHOOL OF GOVERNMENT

Freshmen.....	14
Sophomores.....	10
Juniors.....	29
Seniors.....	8
Candidates for A.M. degree.....	15

76

THE DIVISION OF LIBRARY SCIENCE

Freshmen.....	21
Sophomores.....	11
Juniors.....	30
Seniors.....	13
Candidates for A.M. degree.....	9
Unclassified students.....	21

105

THE DIVISION OF FINE ARTS

Freshmen.....	57
Sophomores.....	32
Juniors.....	15
Seniors.....	18
Candidates for A.M. degree.....	7

129

Summary of Registration

CV

THE DIVISION OF UNIVERSITY AND EXTENSION STUDENTS

University and extension students.....	1,062	
		1,062
Students registered, Academic Year 1930-31.....		6,917
Students registered, the Summer Sessions, 1930.....		1,689
Total number of registrations.....		8,606
Duplicates.....		1,166
Total number of students registered.....		7,440

GEOGRAPHICAL DISTRIBUTION OF STUDENTS 1930-31

Alabama.....	54	Rhode Island.....	9
Arizona.....	14	South Carolina.....	40
Arkansas.....	51	South Dakota.....	41
California.....	57	Tennessee.....	33
Colorado.....	27	Texas.....	94
Connecticut.....	67	Utah.....	135
Delaware.....	14	Vermont.....	18
District of Columbia.....	4,229	Virginia.....	535
Florida.....	35	Washington.....	41
Georgia.....	58	West Virginia.....	113
Idaho.....	41	Wisconsin.....	76
Illinois.....	152	Wyoming.....	13
Indiana.....	119	Armenia.....	1
Iowa.....	129	Bulgaria.....	1
Kansas.....	65	Canada.....	4
Kentucky.....	61	China.....	19
Louisiana.....	19	Colombia.....	1
Maine.....	36	Czechoslovakia.....	2
Maryland.....	583	Denmark.....	2
Massachusetts.....	103	Ecuador.....	1
Michigan.....	60	England.....	1
Minnesota.....	88	Germany.....	3
Mississippi.....	29	Hawaii.....	1
Missouri.....	86	Hungary.....	1
Montana.....	25	India.....	1
Nebraska.....	52	Italy.....	1
Nevada.....	12	Japan.....	1
New Hampshire.....	13	Java.....	2
New Jersey.....	107	Korea.....	4
New Mexico.....	18	Panama.....	1
New York.....	283	Persia.....	47
North Carolina.....	89	Philippine Islands.....	23
North Dakota.....	32	Porto Rico.....	2
Ohio.....	138	Siam.....	2
Oklahoma.....	67	Turkey.....	2
Oregon.....	20		
Pennsylvania.....	303		
		Total.....	8,606

GRADUATES OF COLLEGES REGISTERED AT THE UNIVERSITY

1930-31

Alabama Polytechnic Institute....	7	Centre College.....	2
Alabama, University of.....	4	Charleston, College of.....	2
Alabama, Women's College of....	2	Chattanooga, University of.....	2
Albion College.....	3	Chicago, University of.....	11
Allegheny College.....	2	Cincinnati, University of.....	2
Alma College.....	2	Citadel-South Carolina Military College.....	4
American University.....	15	Clark University.....	2
Amherst College.....	2	Clarkson College of Technology...	5
Antioch College.....	1	Coe College.....	3
Arizona, University of.....	4	Colby College.....	2
Arkansas College.....	2	Colgate University.....	1
Arkansas State Teachers' College..	1	College of the City of New York...	9
Arkansas, University of.....	11	College of the City of Detroit....	1
Armour Institute of Technology...	6	College of Industrial Arts.....	1
Asbury College.....	3	Colorado College.....	3
Athens College.....	1	Colorado, University of.....	8
Baldwin-Wallace College.....	1	Columbia College for Women.....	1
Balkan Near East Institute.....	1	Columbia University.....	32
Barnard College.....	1	Columbia University of Portland..	1
Baylor University.....	4	Communications, University of, Peking, China.....	1
Berea College.....	3	Converse College.....	1
Bessie Tift College.....	1	Cooper Union Institute.....	2
Birmingham Southern College...	1	Cornell University.....	25
Blue Ridge College.....	2	Creighton, University of.....	2
Boone University.....	1	Dakota Wesleyan University.....	1
Boston University.....	4	Dalhousie University.....	1
Bowdoin College.....	5	Dartmouth College.....	6
Bradley Polytechnic Institute.....	3	Davidson College.....	2
Brenau College.....	2	Davis and Elkins College.....	3
Bridgewater College.....	1	Delaware, University of.....	8
Brigham Young University.....	8	Denison University.....	2
Brown University.....	3	Denver, University of.....	2
Bryn Mawr College.....	1	De Moines University.....	1
Bucknell University.....	6	De Pauw University.....	1
Buena Vista College.....	1	Derroit University.....	1
Buffalo, University of.....	1	Dickinson College.....	3
Burleson College.....	1	Doane College.....	2
Butler University.....	6	Drake University.....	1
California, University of.....	16	Drexel Institute.....	2
Carleton College.....	1	Drury College.....	5
Carnegie Institute of Technology..	14	Duke University.....	8
Carthage College.....	1	Earlham College.....	2
Case School of Applied Science...	5	Elizabeth College.....	1
Catholic University of America...	6	Elon College.....	1
Cedarville College.....	1	Emmanuel College.....	1
Central College.....	1		
Central State Teachers' College...	2		

Emory University.....	6	Kansas State Teachers' College...	2
Emporia, College of.....	3	Kansas, University of.....	4
Epworth University.....	1	Kentucky, University of.....	5
Erskine College of Due West.....	1	Kentucky Wesleyan University...	2
Florida State College for Women...	2	Kenyon College.....	1
Florida, University of.....	3	La Fayette College.....	4
Fordham University.....	2	La Salle College.....	2
Franklin and Marshall College....	3	Lawrence College.....	1
Furman University.....	1	Lebanon Valley College.....	1
Georgetown College.....	1	Lehigh University.....	10
Georgetown University.....	16	Lenoir Rhyne College.....	2
George Washington University....	659	Lewis Institute.....	1
Georgia Institute of Technology..	5	Lincoln Memorial University....	2
Georgia, University of.....	1	Louisiana College.....	1
Gettysburg College.....	1	Louisiana State Normal College...	1
Goucher College.....	11	Louisville, University of.....	1
Grand Island College.....	1	Lowell Textile Institute.....	1
Greenville College.....	3	Lynchburg College.....	1
Grinnell College.....	1	Luther College.....	1
Grove City College.....	2	Macalester College.....	1
Guilford College.....	3	Maine, University of.....	12
Gustavus Adolphus College.....	4	Manchester College.....	4
H. Sophie Newcomb College.....	1	Marietta College.....	5
Hamilton College.....	1	Marshall College.....	40
Hamline University.....	1	Maryland, University of.....	1
Hampden Sidney College.....	1	Maryville College.....	5
Hanover College.....	20	Massachusetts Agricultural College	20
Harvard University.....	2	Massachusetts Institute of Tech-	2
Hastings College.....	1	nology.....	6
Haverford College.....	1	Mercer University.....	4
Hawaii, University of.....	4	Miami University.....	1
Heidelberg University.....	2	Michigan State College.....	20
Henderson Brown College.....	3	Michigan State Normal School...	1
Hillsdale College.....	3	Michigan, University of.....	1
Hiram College.....	3	Middlebury College.....	11
Holy Cross College.....	2	Minnesota, University of.....	4
Hope College.....	3	Mississippi Agricultural and Me-	2
Howard College.....	2	chanical College.....	1
Howard Payne College.....	1	Mississippi State College for Women	4
Hunter College.....	13	Mississippi State Teachers' College	1
Idaho, University of.....	1	Mississippi, University of.....	1
Illinois College.....	20	Missouri School of Mines.....	2
Illinois, University of.....	4	Central Missouri State Teachers'	1
Indiana State Teachers' College...	9	College.....	4
Indiana, University of.....	6	Missouri, University of.....	9
Iowa State College of Agriculture	6	Montana State College.....	1
and Mechanics.....	6	Mt. Holyoke College.....	1
Iowa State University.....	1	Mt. St. Mary's College.....	1
Iowa Wesleyan.....	1	Muskingum College.....	1
Irving College.....	1	National Southwestern University,	1
Jefferson Medical School.....	5	Nanking, China.....	1
Johns Hopkins University.....	2	Nebraska Central College.....	13
Juniata College.....	2	Nebraska, University of.....	2
Kalamazoo College.....	6	Nebraska State Teachers' College	3
Kansas State Agricultural College.		Nebraska Wesleyan University....	

Nevada, University of	2	St. John's College	6
New Jersey College for Women...	2	St. Joseph's College	1
New Mexico, University of	2	St. Olaf College	1
New York University	10	St. Thomas' College	1
North Carolina College for Women	5	St. Vincent's College	3
North Carolina, University of	10	Salem College	1
North Dakota, University of	1	Scarritt College	1
Northeastern State Teachers' Col- lege	1	Simmons College	1
Northland College	1	Skidmore College	1
Northwestern University	6	Smith College	8
Norwich University	1	Soochow University	1
Notre Dame of Maryland	1	South Carolina, University of	2
Notre Dame, University of	1	South Dakota State College of Agriculture	5
Oberlin College	1	South Dakota, University of	3
Occidental College	1	Southern California, University of ..	2
Oglethorpe University	2	Southwestern University	6
Ohio State University	10	Stanford University	5
Ohio Wesleyan University	8	State Teachers' College, Farmville, Va.	1
Oklahoma Agricultural and Me- chanical College	1	State Teachers' College, Fredericks- burg, Va.	1
Oklahoma City University	1	State Teachers' College, Harrison- burg, Va.	2
Oklahoma, University of	7	State Teachers' College, East Rad- ford, Va.	1
Oregon State Agricultural College	6	Stevens Institute of Technology	3
Oregon State College	1	Susquehanna University	3
Oregon, University of	4	Swarthmore College	6
Otterbein College	1	Sweet Briar College	1
Quachita College	1	Syracuse University	9
Pacific, College of the	1	Tarkio College	1
Peking National Teachers' College for Women, China	2	Tennessee, University of	2
Pennsylvania State College	13	Texas, Agricultural and Mechanical College of	2
Pennsylvania, University of	22	Texas Christian University	3
Pittsburgh, University of	12	Texas Teachers' College	2
Polytechnic Institute of New York	1	Texas, University of	8
Pomona College	3	Toledo, University of the City of ..	2
Porto Rico, University of	4	Toronto, University of	2
Presbyterian College of South Caro- lina	1	Transylvania College	1
Princeton University	11	Trinity College	8
Purdue University	9	Tufts College	2
Radcliffe College	3	Tulane University	2
Radford State Teachers' College ..	1	U.S. Military Academy	1
Randolph-Macon Women's College	8	U.S. Naval Academy	31
Reed College	1	Ursinus College	1
Regis College	1	Utah, Agricultural College of	6
Rensselaer Polytechnic Institute ..	12	Utah, University of	22
Rice Institute	1	Vanderbilt University	4
Richmond College	1	Vassar College	5
Richmond, University of	5	Vermont, University of	3
Roanoke College	4	Virginia Intermont College	1
Rose Polytechnic Institute	2	Virginia Military Institute	3
Rutgers University	2	Virginia Polytechnic Institute	3
St. Bonaventure College	1		
St. Francis Xavier College	1		

Virginia State Teachers' College..	2	West Virginia, University of.....	12
Virginia, University of.....	8	West Virginia Wesleyan University	5
Wabash College.....	5	Western Reserve University.....	1
Wake Forest College.....	2	Whitman College.....	2
Washington College.....	1	William and Mary, College of.....	6
Washington and Jefferson College..	1	Williams College.....	5
Washington and Lee University...	8	Wilson College.....	2
Washington State College.....	4	Winthrop College.....	6
Washington, University of.....	22	Wisconsin, University of.....	7
Wayne State Teachers' College...	1	Wittenberg College.....	2
Waynesburg College.....	1	Wofford College.....	3
Wellesley College.....	4	Wolfson College.....	1
Wesleyan University.....	1	Worchester Polytechnic Institute..	5
Westchester State Teachers' Col- lege.....	1	Wyoming, University of.....	1
Western College for Women.....	2	Yale University.....	4
Western Maryland College.....	8		
Westminster College.....	2		
West Texas State Teachers' College	2		

Total number of colleges... 330
Total number of students... 1,968

GENERAL SUMMARY

1930-31

TEACHING STAFF

Emeritus Professors.....	8
Professors.....	78
Professorial Lecturers.....	12
Clinical Professors.....	20
Associate Professors.....	36
Associates in Medicine.....	12
Clinical Associates.....	18
Assistant Professors.....	23
Lecturers.....	50
Instructors.....	54
Clinical Instructors.....	76
Associates.....	21
Fellows.....	17
Assistants.....	3
Total.....	428

STUDENTS REGISTERED

The Junior College.....	2,131
Columbian College.....	988
The Graduate School of Letters and Sciences.....	72
The School of Medicine.....	292
The School of Nursing.....	62
The Law School.....	869
The School of Engineering.....	444
The School of Pharmacy.....	52
The School of Education.....	635
The School of Government.....	76
The Division of Library Science.....	105
The Division of Fine Arts.....	129
The Division of University and Extension Students.....	1,062
The Summer Sessions, 1930.....	1,689
Total number of registrations.....	8,606
Duplicates.....	1,166
Total number of students registered.....	7,440

DEGREES CONFERRED

Bachelor of Arts.....	226
Bachelor of Arts in Education.....	55
Bachelor of Arts in Fine Arts.....	2
Bachelor of Arts in Government.....	2
Bachelor of Arts in Library Science.....	13
Bachelor of Architecture.....	3
Bachelor of Laws.....	102

Bachelor of Science.....	13
Bachelor of Science in Chemical Engineering.....	1
Bachelor of Science in Civil Engineering.....	13
Bachelor of Science in Electrical Engineering.....	6
Bachelor of Science in Mechanical Engineering.....	6
Bachelor of Science in Pharmacy.....	1
Certificate in Nursing.....	16
Graduate in Pharmacy.....	11
Master of Arts.....	67
Master of Arts in Education.....	17
Master of Arts in Government.....	3
Master of Laws.....	1
Master of Science.....	7
Master of Science in Chemistry.....	3
Doctor of Philosophy.....	3
Doctor of Philosophy in Education.....	1
Doctor of Medicine.....	48
	620

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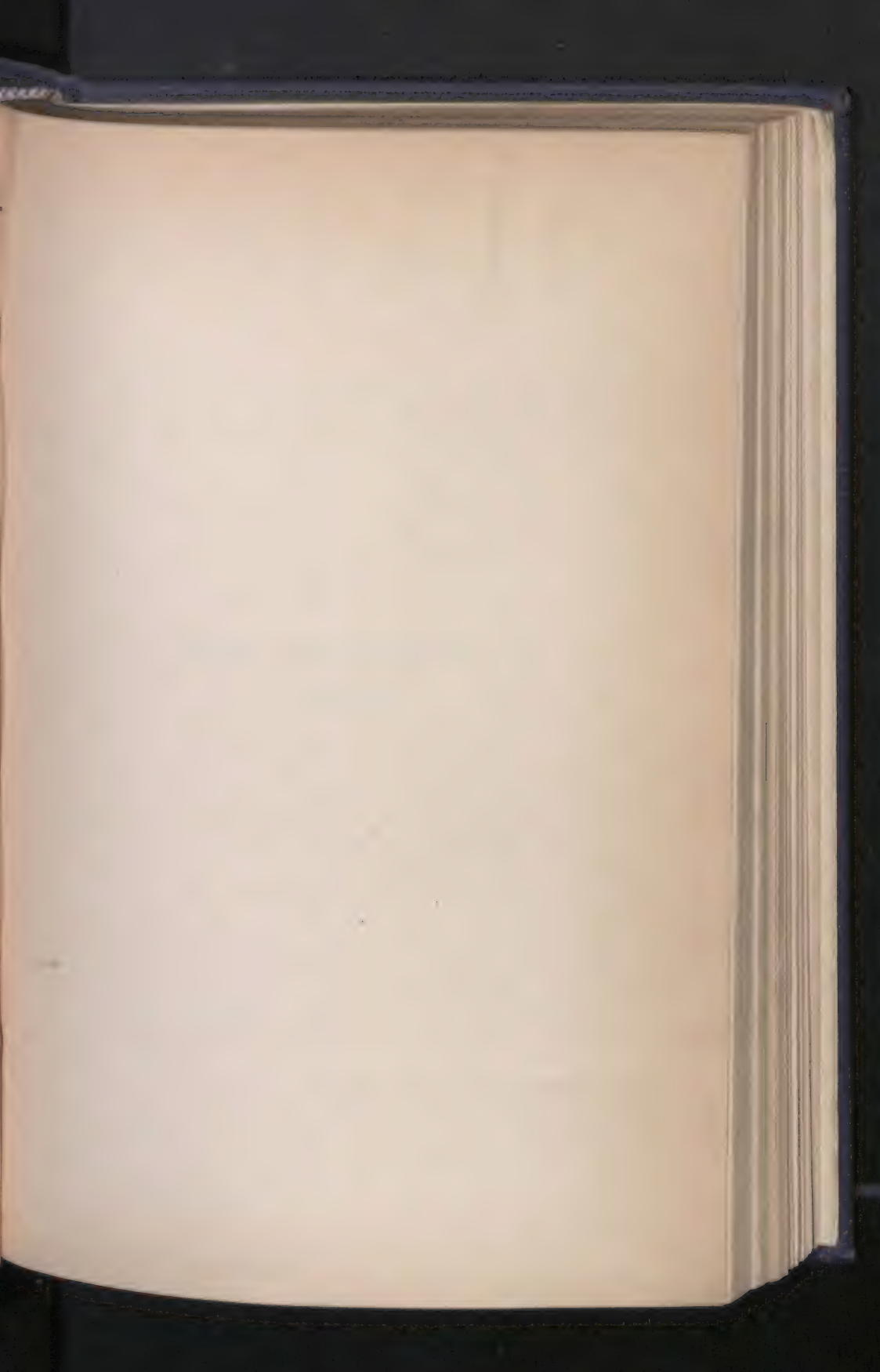
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THE
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CALENDAR OF THE LAW SCHOOL

1931-32

Date	Days	Occasion
<i>1931:</i>		
September 19-22.....	Saturday to Tuesday, both dates inclusive.	Registration period for the first semester
September 23.....	Wednesday.....	The academic year begins
October 6.....	Tuesday.....	Last day for late registration for the first semester
October 21.....	Wednesday.....	Fall Convocation Last day for late registration for year enrolment in the Law School
November 2.....	Monday.....	Second instalment of first semester tuition due
November 26-28.....	Tuesday to Saturday, both dates inclusive.	Thanksgiving recess
December 1.....	Tuesday.....	Third instalment of first-semester tuition due
December 21-January 2.	Monday to Saturday, both dates inclusive.	Christmas recess
<i>1932:</i>		
January 4.....	Monday.....	Classes resumed
January 25-30.....	Monday to Saturday, both dates inclusive.	Mid-year examination period
January 29-30.....	Friday and Saturday	Registration period for the second semester
February 1.....	Monday.....	Classes resumed for the second semester
February 15.....	Tuesday.....	Last day for late registration for the second semester
February 22.....	Monday.....	Mid-winter Convocation. Holiday
March 1.....	Tuesday.....	Second instalment of second-semester tuition due

Date	Days	Occasion
March 28-April 2...	Monday to Saturday, both dates inclusive.	Easter recess
April 1.....	Friday.....	Third instalment of second- semester tuition due
May 23-June 11,...	Wednesday to Satur- day, both dates in- clusive.	Final-examination period
May 30.....	Monday.....	Decoration Day. Holiday
June 12.....	Sunday.....	Baccalaureate Sermon
June 15.....	Wednesday.....	Commencement
June 20.....	Monday.....	First summer term begins
August 3.....	Wednesday.....	First summer term ends
August 4.....	Thursday.....	Second summer term begins
September 17.....	Saturday.....	Second summer term ends
September 17-20...	Saturday to Tuesday, both dates inclusive.	Registration period for the first semester of the academic year 1932-33

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The Board of Trustees of the University is comprised of the President of the University, ex officio, and the following persons by election:

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- John Barton Payne, LL.D., 1601 Eye Street.
- Charles Harries Woodhull, 1767 Massachusetts Avenue.

1934

- John Henry Cowles, 1733 Sixteenth Street.
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Arthur Peter, LL.B., Washington Loan and Trust Building.
Mrs. Henry Alvah Strong, The Mayflower.
Merle Thorpe, A.B., U. S. Chamber of Commerce Building.
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Vice Chairman of the Board of Trustees
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- Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*
William Allen Wilbur, A.M., Litt.D., LL.D., *Provost of the University.*
Charles Wendell Holmes, *Comptroller of the University.*
Harold Griffith Sutton, M.S., *Director of Admissions.*
*Alfred Francis William Schmidt, A.M., *Librarian of the University.*
Fred Everett Nessell, A.B., *Registrar of the University.*
Robert Whitney Bolwell, Ph.D., *Dean of the Summer Sessions.*
Vinnie Giffen Barrows, A.B., *Director of Women's Personnel Guidance.*
Daniel LeRay Borden, A.M., M.D., *Director of Health Administration.*
Alan Thomas Deibert, A.M., *Adviser to Students from Foreign Countries.*
John Russell Mason, A.M., *Acting Librarian of the University.*

THE LAW SCHOOL

- William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School.*
Helen Newman, LL.M., *Secretary of the Law School.*
Anna Marie Bischoff, A.B., *Recorder for Law Registration.*

ADMINISTRATIVE ASSISTANTS

- Helen Newman, LL.M., *Law Librarian.*
Theodore Rinehart, *Assistant to the Law Librarian.*
Allen Drowns, *Assistant to the Law Librarian.*

* On sabbatical leave 1931-32.

STAFF OF INSTRUCTION IN LAW

EMERITUS

WENDELL PHILLIPS STAFFORD, A.M., LL.B., 1661 Crescent Pl.
LL.D., Litt.D.,
Professor Emeritus of Law.

ACTIVE LIST

LEVI RUSSELL ALDEN, A.M., LL.B., <i>Lecturer in Law.</i>	3840 Harrison St.
HERSCHEL WHITFIELD ARANT, A.M., LL.B., LL.D., <i>Visiting Professor of Law.</i>	Ohio State University, Columbus, Ohio.
CARVILLE DICKINSON BENSON, JR., A.B., LL.B., S.J.D., <i>Assistant Professor of Law.</i>	51 Woodstock St., Clarendon, Va.
EDWIN CHARLES BRANDENBURG, LL.M., <i>Professor of Law.</i>	Rockville, Md.
WALTER COLLINS CLEPHANE, LL.M., <i>Professor of Law.</i>	6000 Connecticut Ave., Chevy Chase, Md.
*CHARLES SAGER COLLIER, A.B., LL.B., <i>Professor of Law.</i>	212 Rosemary St., Chevy Chase, Md.
JOSEPH WINSTON COX, LL.B., <i>Professorial Lecturer in Law.</i>	1850 Monroe St.
JAMES FORRESTER DAVISON, A.B., LL.M., S.J.D., <i>Assistant Professor of Law.</i>	Racquet Club.
JOHN PAUL EARNEST, A.M., LL.M., <i>Professor of Law.</i>	3718 Huntington St.
WILLIAM THOMAS FRYER, A.B., LL.B., J.D., <i>Associate Professor of Law.</i>	2229 Bancroft Pl.
GILBERT LEWIS HALL, A.B., LL.B., <i>Lecturer in Law.</i>	21 Woodstock St., Clarendon, Va.
RALPH HOSKINS HUDSON, LL.B., <i>Lecturer in Law.</i>	2031 F St.
WILLIAM ARMSTRONG HUNTER, A.B., LL.M., <i>Associate Professor of Law.</i>	6218 30th St., Chevy Chase, D.C.
JOHN WILMER LATIMER, LL.B., <i>Professor of Law.</i>	14 Newlands St., Chevy Chase, Md.

* On sabbatical leave 1931-32.

JOHN MONTEITH McFALL, A.M., LL.B., <i>Lecturer in Law.</i>	Geneva Apts., Baltimore, Md.
JOHN ALBERT McINTIRE, A.B., LL.B., <i>Instructor in Law.</i>	Stockton Hall.
CLARENCE ALTHA MILLER, LL.M., <i>Lecturer in Law.</i>	4416 Greenwich Parkway.
WALTER LEWIS MOLL, A.B., LL.B., S.J.D., <i>Professor of Law.</i>	3731 Kanawha St.
JAMES OLIVER MURDOCK, Ph.B., LL.B., <i>Lecturer in Law.</i>	1824 23d St.
FREDERICK CHARLES O'CONNELL, LL.M., <i>Associate in Law and Clerk of the Moot Court.</i>	1108 Allison St.
SAUL CHESTERFIELD OPPENHEIM, A.M., J.D., S.J.D., <i>Associate Professor of Law.</i>	2121 New York Ave.
HECTOR GALLOWAY SPAULDING, B.S., LL.B., S.J.D., <i>Professor of Law.</i>	1423 Madison St.
LLOYD HALL SUTTON, B.S., LL.B., <i>Associate Professor of Law.</i>	5601 Western Ave., Chevy Chase, Md.
WILLIAM CABELL VAN VLECK, A.B., LL.B., S.J.D., <i>Professor of Law; Dean of the Law School.</i>	4120 Harrison St.

THE LAW SCHOOL

THE LAW SCHOOL

THE FACULTY*

Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*

William Cabell Van Vleck, A.B., LL.B., S.J.D., *Dean of the Law School.*

COMMITTEES†

THE DEAN'S COUNCIL‡

Carville Dickinson Benson, jr.

William Armstrong Hunter

James Forrester Davison

Walter Lewis Moll

William Thomas Fryer

Saul Chesterfield Oppenheim

Hector Galloway Spaulding

LIBRARY COMMITTEE

Saul Chesterfield Oppenheim, *Chairman*

Hector Galloway Spaulding

Carville Dickinson Benson, jr.

The Librarian

COMMITTEE ON REINSTATEMENT

William Armstrong Hunter, *Chairman*

Walter Lewis Moll

Carville Dickinson Benson, jr.

COMMITTEE ON REGISTRATION

William Cabell Van Vleck, *Chairman*

William Thomas Fryer

Saul Chesterfield Oppenheim

Hector Galloway Spaulding

The Secretary

COMMITTEE ON STUDENT AFFAIRS

Gilbert Lewis Hall, *Chairman*

Clarence Altha Miller

James Forrester Davison

James Oliver Murdock

ADVISER TO PRELEGAL STUDENTS

Hector Galloway Spaulding

* Arranged, with the exception of the President and the Dean, on the basis of seniority.

† The President of the University and the Dean of the Law School are ex officio members of all committees.

‡ Elected by the Faculty.

STAFF OF INSTRUCTION

- Walter Collins Clephane, LL.M., *Professor of Law.*
 Edwin Charles Brandenburg, LL.M., *Professor of Law.*
 John Paul Earnest, A.M., LL.M., *Professor of Law.*
 John Wilmer Latimer, LL.B., *Professor of Law.*
 William Cabell Van Vleck, A.B., LL.B., S.J.D., *Professor of Law.*
 *Charles Sager Collier, A.B., LL.B., *Professor of Law.*
 Hector Galloway Spaulding, B.S., LL.B., S.J.D., *Professor of Law.*
 Walter Lewis Moll, A.B., LL.B., S.J.D., *Professor of Law.*
 Herschel Whitfield Arant, A.M., LL.B., LL.D., *Visiting Professor of Law.*
 Joseph Winston Cox, LL.B., *Professorial Lecturer in Law.*
 Loyd Hall Sutton, B.S., LL.B., *Associate Professor of Law.*
 William Armstrong Hunter, A.B., LL.M., *Associate Professor of Law.*
 William Thomas Fryer, A.B., LL.B., J.D., *Associate Professor of Law.*
 Saul Chesterfield Oppenheim, A.M., J.D., S.J.D., *Associate Professor of Law.*
 Carville Dickinson Benson, jr., A.B., LL.B., S.J.D., *Assistant Professor of Law.*
 James Forrester Davison, A.B., LL.M., S.J.D., *Assistant Professor of Law.*
 Levi Russell Alden, A.M., LL.B., *Lecturer in Law.*
 Gilbert Lewis Hall, A.B., LL.B., *Lecturer in Law.*
 Clarence Altha Miller, LL.M., *Lecturer in Law.*
 Ralph Hoskins Hudson, Graduate U. S. Naval Academy, LL.B., *Lecturer in Law.*
 James Oliver Murdock, Ph.B., LL.B., *Lecturer in Law.*
 John Monteith McFall, A.B., LL.B., *Lecturer in Law.*
 John Albert McIntire, A.B., LL.B., *Instructor in Law.*
 Frederick Charles O'Connell, LL.M., *Associate in Law and Clerk of the Moot Court.*

MOOT COURT OF APPEALS

- Leon Tobriner, LL.B., *Chief Justice.*
 Brainard Warner Parker, LL.B., *Associate Justice.*
 Reginald Shippen Huidekoper, LL.B., *Associate Justice.*

* On sabbatical leave 1931-32.

GENERAL STATEMENT

INTRODUCTORY

The George Washington University Law School, established in 1826, discontinued somewhat later, and reorganized in 1865, is the oldest in the District of Columbia. The course of instruction for the degree of Bachelor of Laws, originally requiring two years, was increased in 1898 to three years. A course leading to the degree of Master of Laws was added in 1877. In 1900 the School took part in the organization of the Association of American Law Schools and has been a member of the Association since that time. In 1911 the School became coeducational. In 1924 the late afternoon course for students with limited schedules was increased to four years. On September 1, 1925, the entrance requirements were increased to two years of college work. The School is approved by the Council of Legal Education of the American Bar Association. Since September 1, 1925, it has occupied a new law building, designed and constructed for its use. This building has been named Stockton Hall in honor of the late Rear Admiral Charles H. Stockton, President of the University from 1910 to 1918. The building contains nine classrooms, library space with a maximum capacity of 40,000 volumes, and ten offices for professors.

LIBRARY

The Law School Library contains the decisions of the highest courts of all the States, the Reports of the United States Supreme Court and other Federal courts, the English Reprints and English Law Reports, the United States Statutes, the statutes of all of the States, the English statutes, the principal English and American digests, legal encyclopedias and collections of annotated cases, and the leading textbooks and legal periodicals.

The library is open from 9.00 a.m. to 11.00 p.m. on week days and from 2.00 to 6.00 p.m. on Sundays.

ACADEMIC YEAR

The academic year 1931-32 begins Wednesday, September 23, 1931, and closes Wednesday, June 15, 1932.

The academic year is divided into two semesters, the second beginning Monday, February 1. In addition there are the Summer Sessions of two terms of six-and-a-half weeks each. The Summer Sessions of 1931 begin June 20; the second term begins August 4.

Registration is permitted at the beginning of the second semester. First-year students taking the late afternoon classes may enter at that time for a regular course of ten hours a week. Such students may, by attending the following Summer Sessions, complete most of the first-year afternoon

course. Other students may register for second-semester subjects which they are qualified to take, but not for year subjects.

Students who complete their work for the degree at the end of the first semester may be recommended for graduation at the mid-winter Convocation on February 22.

ADMISSION

FOR THE DEGREE OF BACHELOR OF LAWS

Candidates for this degree must have completed before admission fifteen units of approved secondary-school work, and at least two years—sixty semester-hour credits—of approved college work. The completion of this work must be evidenced by proper certificates. In no case will a student be admitted with a condition in any part of the entrance requirement. An application for admission may be rejected on the ground of unsatisfactory scholarship in prelegal studies.

The college work required for admission may be completed in the Junior College of The George Washington University. Applicants for such college work should communicate with the Registrar of the University, 2033 G Street NW.

ADVANCED STANDING

Students from approved law schools may receive not more than two years' credit toward the degree of Bachelor of Laws for work done in such schools. Applicants for admission with advanced standing must file certified transcripts of record showing high-school, college, and law credits. The right is reserved to refuse such credit, in whole or in part, or to allow it conditionally or after examination, and credit given may be withdrawn for subsequent poor work. No student will be admitted who has been in attendance at another law school and is ineligible, because of poor scholarship, to return to that school.

FOR THE DEGREE OF MASTER OF LAWS

Candidates for this degree must have, at the time they register, the degree of Bachelor of Arts or an equivalent degree from an approved college and the degree of Bachelor of Laws or an equivalent degree from an approved law school. The two degrees must have been obtained in not less than six academic years.

UNIVERSITY STUDENTS IN LAW

A limited number of persons who cannot qualify as candidates for a degree in Law, but who are over twenty-five years of age and because of their maturity, training, and experience seem qualified to pursue the study of Law, may be admitted to the Division of University and Extension Students as "university" students. No university student in Law will be admitted who has not completed at least a four-year high-school course. Candidates for admission as university students in Law must file

written applications, setting forth their qualifications in detail, and letters and certificates to prove the facts stated therein as to their education and experience. Work done by such university students will not be counted toward a degree.

UNCLASSIFIED STUDENTS

Persons eligible for admission to regular standing may, in the discretion of the Dean, be admitted as unclassified students, to courses aggregating not more than four hours a week.

APPLICATION FOR ADMISSION

Applications for admission and certificates of prelegal study should be filed with the Secretary of the Law School not later than ten days before the registration period. Applications for admission with advanced standing should be filed with the Dean of the Law School not later than ten days before the registration period.

REGISTRATION

Before attending classes each student must present himself in person for registration. No student will be registered in the Law School until proper credentials have been filed and approved by the proper officers of the Law School (see "Admission," above).

Only with the approval of the Dean's Council may a student be permitted to register in the second semester of a year subject before he has completed the attendance in the first semester of that subject.

In all cases where students are permitted to register in one semester of a year subject, they must register for the other semester of that subject not later than one calendar year from the time the attendance in the first semester was completed.

Registration at the beginning of the academic year indicates the student's program of study for the entire year unless otherwise stated. At the beginning of the second semester all programs for that semester must be rechecked and approved and the initial payment of tuition fees made. Until this has been done, the student will not be placed on the rolls for the semester and will be counted as absent (see "Attendance," below).

Registration days for the academic year 1931-32 will be Saturday to Tuesday, September 19 to 22, 1931, both inclusive, and Friday and Saturday, January 29 and 30, 1932. Except where special permission is given, students must register on the regular registration days. A late-registration fee of \$5.00 will be charged each student who is permitted to register after the regular registration days. No registration may be made for a semester subject after the first two weeks of a semester, or for a year subject after the first four weeks of the year.

Registration may be changed only with the permission of the Dean. A fee of \$2.00 will be charged for each such change.

FEES

University fee, a semester.....	\$ 8.00
Tuition fee, for each semester-hour credit of courses taken (minimum fee for one semester, \$24.00).....	8.00 20.00
Graduation fee.....	
Late-registration fee, charged all students who fail to register within the designated period.....	5.00
Reinstatement fee, charged students who are reinstated after being suspended for delinquency in fees.....	5.00
Change fee, for each change in program after registration.....	2.00
Fee for special examination.....	5.00

FINANCIAL REGULATIONS

PAYMENT OF FEES

All fees are payable at the Office of the Comptroller, 2033 G Street. No student is permitted to complete registration or to attend classes until all fees are paid. Fees for each semester are due and payable in advance, at the time of registration.

In exceptional cases, subject to the approval of the Comptroller, students registering for more than three semester-hours may sign contracts for semester charges, except for the University fee, permitting instalment payments as follows:

First semester—one third at the time of registration, plus the University fee; one third on November first; one third on December first.

Second semester—one third at the time of registration, plus the University fee; one third on March first; one third on April first.

Students registering for three hours or less are not privileged to sign contracts for instalment payments.

Students who fail to meet instalment payments by the sixteenth of the month will be suspended and may not attend classes until they have paid all accrued fees, a reinstatement fee of \$5.00, and have been officially reinstated. A suspended student may not be reinstated for the semester after two weeks from the date of suspension. Applications for reinstatement are to be made to the Dean of the Law School.

No student may register in any department of the University who owes fees in any other department of the University.

No part of an instalment payment shall be returnable. In no case will tuition be reduced or refunded because of non-attendance upon classes.

WITHDRAWALS

All applications to withdraw, in order to receive prompt financial adjustment, must be in the hands of the Dean before the end of the period for which payment has been made.

No permission to withdraw and no certificate of work done will be given a student who has not a clear financial record.

In authorized withdrawals all financial adjustments will be made on the principle of the three instalments a semester.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

Scholarships are administered by the University Committee on Student Loans and Scholarships. Applications should be made to the Registrar of the University.

Through the generosity of friends of the University a number of loan funds are available to students in the Law School. Among them is the Henry Strong-William A. Maury Scholarship Loan Fund, established by the Henry Strong Educational Foundation in memory of Henry Strong and William A. Maury. Application for loan funds should be made to the Registrar of the University.

PRIZES

The following prizes are awarded annually in the Law School: Ellsworth Prize; Samuel Herrick Prize; John Bell Larnier Prize; and the Ordranax Prize.

Ellsworth Prize. The Ellsworth Prize of \$25.00 in gold, offered by Mr. Fritz v. Briesen, is awarded to the student doing the best work in the subject of Patent Law Practice. It was awarded in 1929-30 to Laurence Briggs Dodds.

Samuel Herrick Prize. A prize of \$25.00, donated by Samuel Herrick, Esq., is awarded annually to that member of the graduating class in the Law School (excepting the winner of the John Bell Larnier gold medal), who has attained the highest average grade in the work of the third year. It was awarded in 1929-30 to Elliott DeJarnette Marshall.

John Bell Larnier Prize. A gold medal donated by Mr. John Bell Larnier, Chairman of the Board of Trustees of the University, is awarded annually to that member of the graduating class in the Law School who attains the highest average grade in the entire course for the degree of Bachelor of Laws. It was awarded in 1929-30 to George E. Monk.

John Ordranax Prizes. The amount of \$50.00 is awarded annually to the student in the Law School who has attained the highest average grade in the first-year, full-time, regular course; and \$50.00 to the student who has attained the highest average grade in the second-year, full-time, regular course. This was formerly awarded as one prize to the student taking the regular course who attained the highest grade in the work of the second year. It was awarded in 1929-30 to Charles R. Kirk.

THE DEGREES

The Law School offers the degrees of Bachelor of Laws and Master of Laws.

THE DEGREE OF BACHELOR OF LAWS

REQUIREMENTS FOR THE DEGREE

Candidates for the degree of Bachelor of Laws must satisfy the admission, residence, and scholarship requirements and must complete the prescribed number of credit and required subjects.

RESIDENCE

The attendance requirement for this degree is three academic years for full-time students and four academic years for students with limited schedules, of which at least one academic year must be spent in residence at The George Washington University Law School. A year's attendance in the late afternoon classes for students with limited schedules is counted as residence for three fourths of a year.

NUMBER OF CREDITS

The credit requirement is eighty semester-hours. A semester-hour is an hour a week of class work for one semester.

SCHOLARSHIP

The eighty semester-hours of work required must be completed with an average grade of at least C, and not more than sixteen hours with a grade of D may be counted toward the degree.

REQUIRED SUBJECTS

The following subjects are required for the degree of Bachelor of Laws: 111-12, Contracts; 124, Criminal Law and Procedure; 133-34, Personal Property; 137-38, Real Property I; 141-42, Torts; 163-64, Bills and Notes; 167-68, Civil Procedure; 171-72, Equity II; 177-78, Evidence; 187-88, Real Property II; 251-52, Constitutional Law; 257-58, Corporations; and 283-84, Moot Court, or 293-94, Patent Moot Court.

ORDER OF COURSES

All first-year subjects must be finished before any third- or fourth-year subjects are taken. Some second-year work may be taken, with the approval of the professors giving it, concurrently with a small amount of first-year work, by those who have already completed most of the first year. Students entering in February and in the summer cannot expect always to be able to take a full schedule of work in the ensuing year. Those entering in February are expected to continue through the ensuing

summer in order to qualify for second-year work. Those having to repeat required work must do so at the first opportunity.

APPLICATION FOR GRADUATION

Application for graduation should be filed in the office of the Secretary at the beginning of the senior year.

CURRICULA LEADING TO THE DEGREE

In addition to the regular three-year curriculum, the following combined curricula are offered:

COMBINED SIX-YEAR CURRICULUM FOR THE DEGREES OF BACHELOR OF ARTS AND BACHELOR OF LAWS

The University will confer the degree of Bachelor of Arts upon the completion of three years of college work and the first year in the Law School. In order to be certified to the authorities of Columbian College as having satisfactorily completed one year of law work, the student must have completed twenty-eight semester-hours in the Law School, including all subjects required in the first-year morning section, with an average of sixty-five per cent or better (see Columbian College announcement). The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

COMBINED SIX-YEAR CURRICULUM FOR THE DEGREES OF BACHELOR OF SCIENCE IN ENGINEERING AND BACHELOR OF LAWS

The University will confer the degree of Bachelor of Science in Engineering upon the completion of the first three years of the curriculum for that degree in the School of Engineering of The George Washington University and the first year in the Law School (see the announcement of the Bachelor of Science in Engineering Curriculum in the School of Engineering). The Bachelor of Laws degree will be conferred upon the completion of the remainder of the work for that degree.

HONORS

The degree of Bachelor of Laws "with distinction" will be awarded students who obtain an average grade of *A*.

ORDER OF THE COIF

The Order of the Coif is a national honor society with chapters in twenty-eight law schools, the purpose of which is "to foster a spirit of careful study and to mark in a fitting manner those who have attained a high grade of scholarship." The George Washington University Chapter was established in 1926. Students are elected each year from the highest ranking ten per cent of the graduating class of the Law School.

THE DEGREE OF MASTER OF LAWS

REQUIREMENTS FOR THE DEGREE

Candidates for the degree of Master of Laws must complete twenty semester-hours of work in subjects not counted toward the degree of Bachelor of Laws and must present a satisfactory thesis in a subject which has been counted toward the Master's degree.

This degree will not be conferred until one academic year after the candidate receives the degree of Bachelor of Laws.

SCHOLARSHIP

Courses taken for the Master's degree must be completed with a grade of not less than C in each subject and with an average grade of not less than B.

REQUIRED SUBJECTS

Trusts, Conflict of Laws, and Constitutional Law must be included in the course for the degree of Master of Laws if not previously taken. No first-year subject and no second-year required subject may be counted toward this degree.

HOURS OF INSTRUCTION

The regular course for full-time students is given from 9.10 a.m. until 1.00 p.m. Employed students may take the regular course in the classes held at 5.10 and 6.10 p.m.

REGULATIONS

Students in the Law School are subject to the general University regulations as stated on pages 78-81 of the University catalogue.

AMOUNT OF WORK

A student who takes a majority of his courses in the full-time section, from 9.10 a.m. to 1.00 p.m., may, with the permission of the Dean, take work not exceeding fifteen hours a week. For such students the minimum period of attendance is three academic years.

A student who takes a majority of his courses in the afternoon sections or in classes held before 9.00 a.m., may not register for more than ten hours a week. For such students the minimum period of attendance is four academic years.

The amount of work carried by any student may be restricted when, in the judgment of the Dean, the best interests of the student require it.

ATTENDANCE

No student will be allowed credit in any subject unless he has been regularly registered and in regular attendance and has done all the work required in the course in that subject.

Absences of ten per cent or less of the class hours in any given subject do not affect the student's attendance credit. Absences in excess of twenty-five per cent will make him ineligible for examination or credit in that subject. Absences exceeding ten but not exceeding twenty-five per cent in each subject will be totaled from all subjects taken during the academic year, and for each fifteen hours of excess absences thus shown, the year's credit obtained by the student shall be reduced by one semester-hour. Lateness in registration shall count as absence. Credit for attendance shall begin with the date of approval of registration by the Treasurer's Office.

GRADES

The grade of a student in each subject is indicated by the letters *P*, pass; *D*, conditional pass; or *F*, failed. The meaning of these grades is as follows:

P, pass, means that the work has been successfully completed and full credit given for the subject.

D, conditional pass, means that credit is given for the subject but not more than sixteen semester-hours of such credit may be counted toward the degree.

F, failed, means that the work in the subject has been a failure and that no credit will be given. To obtain credit the student must repeat the subject; but a student who, in the work of the year, has received a grade of *F* in one subject only and obtained a general average of *C*, may take the next regular examination in that subject, and if on such reexamination he attains the grade of *C* or better, he will be given a grade of *D* (60) in the subject.

At the end of each academic year each student is given an average numerical grade for his work for the year. These numerical grades rank as follows: *A* (85-100), excellent; *B* (75-84), good; *C*, (65-74), pass; *D* (55-64), conditional pass; *F* (below 55), failure.

SCHOLARSHIP

Unless a student in each academic year receives a grade above *F* in at least three fourths of the semester-hours in which he is registered and obtains a numerical average grade of not less than 60, he will be denied registration in the future; but upon written application to the Committee on Reinstatement, showing sufficient cause, and after a personal hearing, if he so desires, he may be reinstated on such conditions as the committee may impose.

The scholarship requirements for the degrees are stated above under the requirements for the respective degrees.

CHANGES IN COURSES AND WITHDRAWALS

A student may not change or drop courses except with the permission of the Dean of the Law School, upon the presentation of adequate reason

for such change. A fee of \$2.00 will be charged for each such change in registration.

A student who is obliged to withdraw from the University during the semester, or to drop a course before its completion, or who wishes to change a course, must immediately report in person or in writing to the Dean for authority to effect such change of status. Reporting the dropping of a course to an instructor does not effect its discontinuance. *A student is liable for all charges for courses for which he has registered unless changes have been made with the approval of the Dean or Director, as stated above.* (See also "Financial Regulations," above.)

EXAMINATIONS

Written examinations are held at the close of the first semester in subjects which are then completed and at the close of the second semester in all other subjects. All students are required to take the regular examinations in the subjects pursued, unless excused by the Dean. A student who, with the consent of the Dean, does not take the final examination in a subject with the class in which he is enrolled, may take the next regular examination given in the subject.

No student shall be given an examination in, nor permitted to receive credit in, less than an entire subject. In any case where a student is permitted to register for one semester only of a year subject, he shall not take the examination in that subject until the other semester has been completed. If no regular examination in that subject is scheduled at the time the other semester is completed, then the student shall not be given a special examination but shall be required to take the next regular examination.

No special examinations will be given; except, that upon written application to the Dean's Council, showing sufficient cause, a candidate for a degree at a convocation before the next regular examination, if he would be entitled to take that examination, may, in the discretion of the Dean's Council, be given a special examination not less than sixty days after the one which he failed to take or to pass.

CLASSIFICATION OF STUDENTS

Students are divided into classes on the completion of semester-hours of credit as follows: first year, to twenty-seven; second year, twenty-eight to fifty-five; third year, fifty-six or more.

REGULATIONS REGARDING DEGREES

NON-CONTINUOUS ATTENDANCE

Candidates absent for more than one continuous academic year may reenter and continue their work only under the rules and regulations in

force at the time of their return. The Dean's Council, however, may permit such students to continue their work under the entrance requirements in force at the time they were admitted to the School.

RIGHT TO REFUSE TO CONFER A DEGREE

The right is reserved to refuse to confer a degree upon a candidate whose attendance or conduct has been unsatisfactory.

STUDENT LIFE

LIVING ACCOMMODATIONS

The George Washington University is an urban institution. It maintains no dormitories. For the benefit of non-resident students registers of rooms which have been inspected and approved are kept in the office of the Director of Women's Personnel Guidance, where inquiries in respect to housing facilities should be addressed. Satisfactory accommodations can be found near the University.

Single rooms usually range in price from twenty to thirty dollars a month, and double from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins. Renting by mail is unsatisfactory. Lists of houses will be mailed on request, but students are advised to make personal inspection before engaging rooms.

WOMEN STUDENTS

All women students under twenty-three years of age must have their residences approved by the Director of Women's Personnel Guidance, unless they are living with family or relatives. Registration is not complete until such approval is given.

APPOINTMENT BUREAU

The Appointment Bureau is maintained to assist graduates and students in finding positions for which their college work has prepared them, and to cooperate with employers who wish to fill vacancies. A teacher-placement service is included in the work of this department. Enrolment is open to graduates and students without charge for placement.

STUDENT EMPLOYMENT

An employment service is operated to assist self-supporting students in finding employment. The University offers every possible assistance, but success in self-support depends upon the student himself. Earnings

in full-time work range from sixty to one hundred and twenty-five dollars a month; in part-time and occasional work, an average of about forty dollars a month can be earned under favorable circumstances.

Prospective students who expect to earn any part of their expenses and who do not have definite appointment to positions before coming to Washington, should have the means of support for at least one semester. A minimum budget of one hundred dollars a month is recommended.

Many out-of-town students take the United States Civil Service examinations in their home States and secure positions in the Government departments in Washington, where the hours of employment enable them to pursue a college course in the late afternoon.

For further information address the Employment Secretary, The George Washington University, Washington, D. C.

HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students.

Medical privileges include: (1) the physical examination of all students entering from secondary schools; (2) three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during a school term—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not include treatment for illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who have severed their connection with the University are ineligible for medical benefits; (4) students intending to train for athletic teams are required to pass a careful examination at the beginning of each semester; (5) the above regulations will apply during the Summer Sessions of the University.

STUDENT ACTIVITIES

PRIVILEGES

Payment of the University fee, charged all students, secures to them the following student-activity privileges:

1. Gymnasium privileges, including participation in intra-university athletic sports, and the use of the University tennis courts.
2. The *University Hatchet*, the official student newspaper, which is issued weekly.
3. Admission to home athletic contests.
4. Admission to University debates.
5. Admission at special rates to other University events.

ELIGIBILITY

No person who is not regularly enrolled as a student and who has not met the eligibility requirements of the School or Division in which he is registered, may participate in student activities or represent the University on its athletic teams or in other student activity.

In order to be eligible to represent the University in any activity, a student must be registered for at least sixty per cent of the number of hours constituting a full course in his department. No male student who has not been registered and in attendance in the University for at least one academic year shall represent the University on a varsity athletic team in an inter-collegiate contest.

CONTROL

Control and direction of all student activities are vested in the Committees on Extra-curricular Activities, which in turn are subject to the supervision and control of the President's Council.

For catalogues, application blanks, and further information, address the Dean of the Law School, The George Washington University, Stockton Hall, Washington, D. C.

COURSES OF INSTRUCTION IN LAW

NOTE.—First-year courses are numbered 101 to 150; second-year courses, 151 to 200; third- and fourth-year courses, above 200. First-semester courses are given odd numbers, 1, 3, 5, etc., and second-semester courses even numbers, 2, 4, 6, etc. A course running throughout the year is given a double number, as 187-88. The number of semester-hours of credit given for each course is indicated in parentheses following the name of the course; thus, a year course giving two hours of credit each semester is marked (2-2).

COURSES OF INSTRUCTION IN LAW

FIRST-YEAR SUBJECTS

- 101-2 *Agency* (2-2) McIntire
Mechem's Cases on Agency (2d ed., by Seavey). Section A, Monday and Wednesday, 12.10 p.m.
- 111-12 *Contracts* (4-3) Moll, Davison, McIntire
Williston's Cases on Contracts (3d ed.). First semester—section A, Monday, 11.10 a.m., Wednesday, 9.10 a.m., and Thursday and Friday, 12.10 p.m.; section B, Wednesday and Thursday, 5.10 and 6.10 p.m.; section C, Tuesday and Thursday, 5.10 and 6.10 p.m. Second semester—section A, Wednesday, 9.10 a.m., and Thursday and Friday, 12.10 p.m.; section B, Wednesday, 5.10 and 6.10 p.m., and Thursday, 5.10 p.m.; section C, Tuesday, 5.10 and 6.10 p.m., and Thursday, 6.10 p.m.; special, Monday, Tuesday, and Wednesday, 5.10 and 6.10 p.m., and Thursday, 6.10 p.m.
- 124 *Criminal Law and Procedure* (3) Earnest, Hunter
Mikell's Cases on Criminal Law and Procedure. Section A, Monday, Thursday, and Friday, 11.10 a.m. Section B, Monday, 5.10 and 6.10 p.m., and Thursday, 6.10 p.m. Section C, Friday, 5.10 and 6.10 p.m., and Thursday, 5.10 p.m.
- 133-34 *Personal Property* (2-2) Fryer
Bigelow's Cases on Personal Property (2d ed., 1931) and Morgan's Introduction to the Study of Law. Supplement containing Cases and Materials on Property and Remedies. Section A, Monday and Tuesday, 9.10 a.m. Section B, Tuesday, 5.10 and 6.10 p.m. Section C, Monday, 5.10 and 6.10 p.m. Summer Sessions 1931 (4): first term, daily except Saturday, 5.10 and 6.10 p.m.
- 137-38 *Real Property I* (2-2) Benson
Section A, Thursday and Friday, 9.10 a.m. Section B, Wednesday, 5.10 and 6.10 p.m. Section C, Tuesday, 5.10 and 6.10 p.m.
- 141-42 *Torts* (4-2) Hunter, Hall
Wilson's Cases on Torts. First semester—section A, Tuesday, Wednesday, Thursday, and Friday, 11.10 a.m.; section B, Tuesday, and Friday, 5.10 and 6.10 p.m.; section C, Wednesday and Friday, 5.10 and 6.10 p.m. Second semester—section

A, Tuesday and Wednesday, 11.10 a.m.; section B, Friday, 5.10 and 6.10 p.m.; section C, Wednesday, 5.10 and 6.10 p.m. Summer Sessions 1931 (4): second term, daily except Saturday, 5.10 and 6.10 p.m.

SECOND-YEAR SUBJECTS

- 163-64 *Bills and Notes* (2-2) Oppenheim
 Britton's Cases on Bills and Notes. Section A, Monday and Wednesday, 12.10 p.m. Section B, Monday, 5.10 and 6.10 p.m. Summer Sessions 1931 (4): first term, daily except Saturday, 5.10 and 6.10 p.m.
- 167-68 *Civil Procedure* (2-2) Clephane, Hunter
 Section A, Sunderland's Cases on Common Law Pleading and Keigwin's Cases on Equity Pleading, Thursday, 10.10 a.m., and Friday, 9.10 a.m. Section B, Shipman on Common Law Pleading and Clephane on Equity Pleading, Tuesday, 5.10 and 6.10 p.m. Section C, Sunderland's Cases on Common Law Pleading and Keigwin's Cases on Equity Pleading, Thursday, 5.10 and 6.10 p.m.
- 169 *Damages* (2)
 (Not given 1931-32.)
- 170 *Domestic Relations* (2) Moll
 Summer Sessions 1931: first term, Woodruff's Cases on Domestic Relations, Tuesday and Friday, 5.10 and 6.10 p.m., and Wednesday, 6.10 p.m.
- 171-72 *Equity II* (2-2) Spaulding
 Ames's Cases on Equity Jurisdiction, vol. I. Section A, Thursday and Friday, 12.10 p.m. Section B, Friday, 5.10 and 6.10 p.m. Section C, Monday, 5.10 and 6.10 p.m.
- 177-78 *Evidence* (2-2) Latimer, Fryer
 Hinton's Cases on Evidence (2d ed., 1931). Section A, Wednesday and Thursday, 9.10 a.m. Section B, Monday, 5.10 and 6.10 p.m. Section C, Wednesday, 5.10 and 6.10 p.m.
- 179 *Insurance* (2) McFall
 Wambaugh's Cases on Insurance. Saturday, 5.10 and 6.10 p.m.
- 184 *Mortgages* (2) Fryer
 Campbell's Cases on Mortgages. Monday and Tuesday, 10.10 a.m.

- 185 *Quasi-contracts* (2) Moll
Thurston's Cases on Quasi-contracts. Summer Sessions 1931:
first term, Monday and Thursday, 5.10 and 6.10 p.m., and
Wednesday, 5.10 p.m.
- Real Property I* (2-2) Benson
See Law 137-38, sections B and C.
- 187-88 *Real Property II* (2-2) Benson
Aigler's Cases on Titles. Section A, Monday and Tuesday,
9.10 a.m. Section B, Thursday, 5.10 and 6.10 p.m.
- Real Property III* (2) Moll
See Law 296, section A.
- 191-92 *Sales* (2-2) Oppenheim
Williston's Cases on Sales (3d ed.). Section A, Wednesday and
Friday, 10.10 a.m. Section B, Thursday, 5.10 and 6.10 p.m.
Section C, Friday, 5.10 and 6.10 p.m.
- 197 *Water Rights* (2)
(Not given 1931-32)
- THIRD- AND FOURTH-YEAR SUBJECTS
- 208 *Administrative Law* (2) Davison
Frankfurter and Davison's Cases on Administrative Law.
Monday, 5.10 and 6.10 p.m.
- 217 *Admiralty* (2) Alden
Lord and Sprague's Cases on Admiralty, and assigned readings.
Friday, 5.10 and 6.10 p.m.
- 220 *Bankruptcy* (2) Brandenburg
The Bankruptcy Act (with revision of 1930). Tuesday,
5.10 and 6.10 p.m.
- Bills and Notes* (2-2) Oppenheim
See Law 163-64, sections A and B.
- 221-22 *Conflict of Laws* (2-2) Van Vleck
Beale's Cases (2d ed.). Section A, Thursday, 10.10 and
11.10 a.m. Section B, Thursday, 5.10 and 6.10 p.m.
- 251-52 *Constitutional Law* (2-2) Spaulding
McGovney's Cases. Section A, Monday and Tuesday, 11.10
a.m. Section B, Tuesday, 5.10 and 6.10 p.m.
- 257-58 *Corporations* (2-2) Davison
Warren's Cases on Corporations, and Dodd's Supplement to
Warren's Cases. Section A, Wednesday and Friday, 11.10 a.m.

- Section B, Friday, 5.10 and 6.10 p.m. Summer Sessions 1931
(4): second term, daily except Saturday, 5.10 and 6.10 p.m.
- 271 *Equity III* (2) Spaulding
Ames's Cases on Equity Jurisdiction, vol. II, and Chafee's
Cases on Equitable Relief against Torts. Wednesday, 5.10 and
6.10 p.m.
- 273 *Federal Procedure* (2) Brandenburg
Hopkins's Judicial Code (3d ed.). Tuesday, 5.10 and 6.10 p.m.
- 275-76 *International Law* (2-2) Murdock
Hudson's Cases on International Law. Thursday, 5.10 and
6.10 p.m.
- 277 *Labor Law* (2) Spaulding
Sayre's Cases on Labor Law. Summer Sessions 1931: daily
except Monday, 7.45 a.m. (listed as Law S281).
- 279 *Legal Bibliography and Brief-making* (1) Miller
Monday, 6.10 p.m.
- 280 *Legal History* (2) Benson
Plucknett, A Concise History of English Law. Friday, 5.10
and 6.10 p.m.
- 282 *Legislation*
Saturday, 5.10 and 6.10 p.m.
- 283-84 *Moot Court* (2-2) Clephane, Earnest, Cox
Prerequisites: Law 167-68, Civil Procedure, and Law 177-78,
Evidence. Section A, Saturday, 9.10 and 10.10 a.m. Section
B, Wednesday, 5.10 and 6.10 p.m.
- 286 *Mortgages* (2) Fryer
Campbell's Cases on Mortgages. Monday and Tuesday,
10.10 a.m.
- 287 *Municipal Corporations* (2) Arant
Macy's Cases on Municipal Corporations (2d ed.). Summer
Sessions 1931: second term, Tuesday and Friday, 5.10 and
6.10 p.m., and Wednesday, 6.10 p.m.
- 289 *Organization of Corporations* (1) Clephane
Clephane on Organization and Management of Corporations.
Monday, 5.10 p.m.
- 290 *Partnership* (2)
(Not given 1931-32.)

- 291-92 *Patent Law* (2-2) Sutton
First semester—Substantive Patent Law, Monday, 5.10 and 6.10 p.m. Second semester—Patent Office Practice, Monday, 5.10 and 6.10 p.m.
- 293-94 *Patent Moot Court* (2-2) Hudson
Wednesday, 5.10 and 6.10 p.m. This course may be elected instead of 281-82, to satisfy the Moot Court requirements. Both subjects may not be counted toward a degree.
- 295 *Public Utilities* (2) Davison
Monday, 5.10 and 6.10 p.m.
- 296 *Real Property III* (2) Moll
Case book to be announced. Section A, Monday and Tuesday, 10.10 a.m. Section B, Tuesday, 5.10 and 6.10 p.m.
- 299-300 *Sales* (2-2) Oppenheim
Williston's Cases (3d ed.). Section A, Wednesday and Friday, 10.10 a.m. Section B, Thursday, 5.10 and 6.10 p.m. Section C, Friday, 5.10 and 6.10 p.m.
- 302 *Suretyship* (2) Arant
Arant's Cases on Suretyship. Summer Sessions 1931: Monday and Thursday, 5.10 and 6.10 p.m., and Wednesday, 5.10 p.m.
- 303 *Taxation* (2)
(Not given 1931-32.)
- 304 *Trade Regulation* (2) Oppenheim
Wednesday, 5.10 and 6.10 p.m.
- 305-6 *Trusts* (2-2) Moll
Scott's Cases on Trusts (2d ed.). Friday, 5.10 and 6.10 p.m.
- 307 *Wills* (2) Moll, Benson
Mechem and Atkinson's Cases on Wills and Administration. Tuesday, 5.10 and 6.10 p.m. Summer Sessions 1931 (4): Mecham and Atkinson's Cases on Wills and Administration. Second term—daily except Saturday, 5.10 and 6.10 p.m.

THE RECORD
OF THE LAW SCHOOL
1930-31

DEGREES CONFERRED

BACHELOR OF LAWS

JUNE 11, 1930

Karl J. Albrecht.....	Minnesota
B.S. 1925, University of Minnesota.	
David Samuel Allahouse.....	Pennsylvania
Julius Arnold.....	District of Columbia
A.B. 1928, The George Washington University.	
Thomas J. Bailey, Jr.....	District of Columbia
(With distinction.)	
A.B. 1926, Princeton University.	
Frank J. Barley.....	Illinois
Maurice Kunnels Barnes.....	Utah
B.S. 1924, University of Utah	
Wilbur James Barnes.....	Maryland
M.E. 1915, Cornell University.	
William Sidney Bessler.....	District of Columbia
A.B. 1923, The George Washington University.	
John Calvin Box, Jr.....	Texas
A.B. 1928, The George Washington University.	
James Keith Browne.....	Montana
A.B. 1925, University of Montana.	
Elizabeth Gali Casteel.....	District of Columbia
William Henry Churchwell.....	Montana
Raymond W. Cohen.....	Maryland
B.E. 1926, Johns Hopkins University.	
Elizabeth M. Cox.....	District of Columbia
John Williams Cox.....	Texas
A.B. 1927, Rice Institute.	
Donald Curtis.....	Massachusetts
Graduate, 1918, U.S. Naval Academy.	
George R. Dent, Jr.....	Nebraska
Harold Dodd.....	New York
Graduate, 1912, U.S. Naval Academy.	
M.S. 1924, Columbia University.	
Laurence Briggs Dodds.....	Colorado
B.S. 1925, University of California.	
Daniel Christian Eberly.....	District of Columbia
John Sterling S. Fessenden.....	Ohio
A.B. 1926, Ohio Wesleyan University.	
Ralph John Fischer.....	Indiana
Melvin Freebairn.....	Utah
B.S. 1925, University of Utah.	
Charles Futterer.....	District of Columbia
Morgan M. Gilbert.....	District of Columbia
A.B. 1927, The George Washington University.	
Louis Ginhara.....	District of Columbia
Solomon Grossberg.....	District of Columbia
Richard Haug.....	New York
A.B. 1928, Cornell University.	
Jack Hayes.....	District of Columbia
A.B. 1926, The George Washington University.	
Mary Josephine Holland.....	Massachusetts
A.B. 1923, Tufts College.	
Albert Laurens Ingle.....	Mississippi
A.B. 1928, The George Washington University.	
Elie Bradford Jansen.....	District of Columbia
A.B. 1927, Wellesley College.	
Albert Kimball Johnson.....	Vermont
B.S. 1927, University of Vermont.	
S. Warwick Keegin.....	District of Columbia
A.B. 1924, Dartmouth College.	
Wade Hampton Kitchens, Jr.....	Arkansas
A.B. 1927, University of Arkansas.	
Louis Francis Kreek.....	Missouri
Julien L. Latimer, Jr.....	District of Columbia
A.B. 1927, Antioch College.	

Park Hoffman Loose.....	District of Columbia
A.B. 1927 Dickinson College.....	Virginia
Elliott DeJarnette Marshall.....	District of Columbia
(With distinction.).....	
George Edward Monk.....	District of Columbia
(With distinction.).....	
A.B. 1928, The George Washington University.....	District of Columbia
Edmund Hurlburt Parry, jr.....	District of Columbia
A.B. 1926, Harvard University.....	District of Columbia
Philip Van Wagenen Peck.....	New York
A.B. 1927, University of Pennsylvania.....	Iowa
Angelo Marion Pisarra.....	District of Columbia
Ch.E. 1926, Rensselaer Polytechnic Institute.....	Maryland
Leslie Manfred Rapp.....	Utah
Albert C. Reed.....	Utah
B.S. 1922, University of Delaware.....	
John Robert Reed.....	Utah
A.B. 1928, The George Washington University.....	
Roy Dahlquist Reese.....	Missouri
Owen G. Reichmann.....	District of Columbia
B.S. 1924, University of Utah.....	District of Columbia
Edwin Archer Riley.....	District of Columbia
Junius Stowell Romney.....	District of Columbia
George F. Sakis.....	Oregon
Charles Thomas Shannon.....	District of Columbia
A.B. 1929, The George Washington University.....	
William S. Shenker.....	District of Columbia
A.B. 1929, University of Oregon.....	New York
Allan Edward Smith.....	District of Columbia
Graduate, 1915, U.S. Naval Academy.....	
Joel Gibson Stanford.....	District of Columbia
E.M. 1925, Colorado School of Mines.....	Pennsylvania
Lionel Summers.....	Virginia
B.S. 1927, Princeton University.....	
John Gordon Turnbull.....	Maryland
A.B. 1926, Hamilton College.....	West Virginia
Theodore Clay Uhler.....	Iowa
B.S. 1917, University of Pennsylvania.....	
William Addison Vandegrift.....	Pennsylvania
Patrick Jennings Warnick.....	
A.B. 1927, University of Kentucky.....	
F. Roe Weise.....	
A.B. 1929, State University of Iowa.....	
Robert Rudolf Whitmer.....	District of Columbia
B.S. 1926, Washington and Jefferson College.....	
James Owens Wrightson, jr.....	
A.B. 1923, Dickinson College.....	

OCTOBER 15, 1930

Isadore Brill.....	District of Columbia
Norman Hampton Conner.....	Virginia
B.S. 1924, University of Virginia.....	Kansas
John Walker Cross.....	Iowa
L. Call Dickinson.....	District of Columbia
John Donald Gamble.....	Florida
Oscar William Giese.....	Indiana
Harold Emery Hufford.....	South Carolina
Lowry Lindsay.....	West Virginia
A.B. 1927, Wofford College.....	Iowa
Jess James McCoy.....	Arkansas
Alan Chase Maxwell.....	New York
A.B. 1927, University of Iowa.....	
Rufus Franklin Milwee, jr.....	New York
Joseph Louis O'Connor.....	District of Columbia
A.B. 1926, The George Washington University.....	Ohio
Milton Rollins.....	District of Columbia
Richard Alfred Terrell.....	
Samuel C. Thompson.....	Pennsylvania
A.B. 1916, Miami University.....	
Kenneth Nicoll Watson.....	
A.B. 1928, The George Washington University.....	
Zachary Taylor Wobensmith, II.....	
B.S. in M.E. 1927, University of Pennsylvania.....	

FEBRUARY 23, 1931

Bernard LaSalle Amis	District of Columbia
Zelpha Catherine Brookley	Ohio
A.B. 1916, Miami University	
Lawton Burton	Oklahoma
Thomas Lee Camp	Georgia
A.B. 1923, Oglethorpe University	
Marion Bradley Earl	Nevada
B.S. 1922, University of Utah	
Justin Lincoln Edgerton	District of Columbia
A.B. 1920, The George Washington University	
Edmund Albert Fenander	California
B.S. 1926, University of California	
Hoyt Benjamin Harper	Illinois
James Thomas Hoffman	Pennsylvania
B.S. in E.E. 1926, University of Pittsburgh	
Angus Stanley King	Virginia
B.S. 1926, College of William and Mary	
Phineas Harold Lamphere	Montana
B.S. in E.E. 1927, University of Idaho	
Robert Edward Lee, Jr.	District of Columbia
Paul Mendenhall	Indiana
William E. Oelschlager	Missouri
Clifford Arthur Sheldon	Iowa
Larken Speer	Texas
James Edward Stukes	North Carolina
Oliver Stanley Titcomb	Massachusetts
Morgan Caywood Torrey	District of Columbia
Gordon Kase Wilson	Pennsylvania
A.B. 1926, The George Washington University	
Ralph Waldo Woodruff	Pennsylvania
A.B. 1920, Susquehanna University	
A.M. 1921, Susquehanna University	
Laurence Carter Wright	Mississippi
A.B. 1927, University of Mississippi	

MASTER OF LAWS

JUNE 11, 1930

George Swartz Herr	New York
A.B. 1926, The George Washington University	
LL.B. 1923, The George Washington University	

STUDENTS REGISTERED

1930-31

The names of all students registered in the Law School during the academic year 1930-31 are listed in alphabetical order. The roman numeral following the name of each student (excepting those registered for the Master of Laws degree) indicates the year of the course in which the student is registered. Students who withdrew at the close of the first semester by graduation are indicated by an asterisk (*); others who were registered for the first semester only are indicated by a dagger (†); students registered for the second semester only are indicated by a double dagger (‡).

Abramson, Norman (Law I)	D.C.	Barbee, Carl Joseph (Law II)	D.C.
Adair, Edwin Ross (Law II)	Ind.	B.S. in M.E. 1929, Purdue University.	Neb.
A.B. 1928, Hillsdale College.		†Barkmister, Joseph Henry (Law I)	
Allen, Edward Walter, jr. (Law II)	Va.	A.B. 1922, Creighton University.	
E.F. 1925, University of Virginia.		B.F.S. 1925; M.F.S. 1926, Georgetown	
‡Allen, Grandison Greer (Law I)	Ky.	University School of Foreign Service.	Utah
A.B. 1910, Vanderbilt University.		Barlow, Lowell Walker (Law I)	
†Allen, Philip Harper (Law II)	Tex.	A.B. 1920, University of Utah.	Utah
A.B. 1921, West Texas State Teachers'		Barnes, Maurice Runnels (Law, LL.M.)	
College.		B.S. 1924, University of Utah.	
M.S. 1926, University of Iowa.	D.C.	LL.B. 1910, The George Washington	D.C.
Allison, Andrew Vangud (Law II)	N.Y.	University.	
Allyn, Charles Chapin (Law I)	D.C.	Barnes, Stuart Knowlton (Law II)	D.C.
Alpher, Robert (Law I)		A.B. 1929, University of Utah	
B.S. 1910, The George Washington		†Barrow, Wylie Winfield (Law III)	D.C.
University.	D.C.	B.S. 1926, Roanoke College.	D.C.
Alpher, Solomon (Law I)	Minn.	Bartch, Henry Guerdum (Law II)	D.C.
Alsen, Myrtle Frances Carolyn (Law I)		Bassett, John Earl (Law II)	D.C.
A.B. 1922, The George Washington		Bateman, Roy Danby (Law I)	D.C.
University.		Bates, George Newcomb (Law I)	D.C.
Andrus, Leon H. (Law I)	N.Y.	A.B. 1910, Williams College.	Ark.
A.B. 1920; M.E. 1922, Columbia Uni-		Baxter, Russell James (Law II)	
versity.	Pa.	A.B. 1930, University of Arkansas.	D.C.
Amerman, George Monroe (Law II)		Bays, William Webb (Law III)	
A.B. 1910, Dickinson College.	Va.	A.B. 1904, Washington and Lee	
*Amies, Bernard LaSalle (Law III)	Neb.	University.	Meb.
Anderson, Park Findley (Law I)	Iowa	Beardley, Charles Harrison (Law III)	Ala.
Anding, Henry Moore (Law III)	Iowa	B.S. in Eng. 1926, University of Michigan	Ala.
†Andrews, Robert Alan (Law I)		Beasley, Albert Pettrell (Law III)	
Andrews, Don Darrel (Law I)		Beck, Flossie Arizona (Law II)	Ohio
B.S. in F.E. 1930, The George Wash-	P.I.	Beck, Foster Campbell (Law II)	
ington University.	Ind.	B.S. 1920, University of Alabama.	Ore.
Arellano, Arsenio Yanza (Law II)		Becker, William Strayer (Law III)	
Aruck, Nod William (Law III)		A.B. 1923, The George Washington	
A.B. 1926, Wabash College.	W.Va.	University.	
Armstrong, Robert Harmon (Law II)	D.C.	Beelar, Donald Casper (Law II)	D.C.
Aumath, Minnie Louisa (Law III)	D.C.	A.B. 1928, University of Oregon.	
Atherholt, Gordon M. (Law Spec.)	N.Y.	Bain, Joseph David (Law I)	Wyo.
Baer, Louis Henry (Law II)		B.S. in M.E. 1930, The George Wash-	
Ch.E. 1927, Reusselzer Polytechnic	Tenn.	ington University.	Utah
Institute.	Del.	Bennion, Vernal Rowland (Law I)	
Bailey, James, jr. (Law I)		B.S. 1930, Utah Agricultural College.	D.C.
Baker, Ralph Samuel (Law III)	Va.	Benson, George Nelson (Law II)	
A.B. 1928, University of Delaware.	Conn.	B.S. 1918, Utah State Agricultural	
Baker, Selden Stewart (Law I)	Mich.	College.	Ohio
Baldwin, Alfred Carleton, jr. (Law III)		Berg, Monrose Burke (Law II)	
Baldwin, Joseph Addison (Law II)	Va.	B.S. 1917, Princeton University.	
A.B. 1910, Albion College.	Ohio	Bergert, Earl Melvin (Law II)	D.C.
Baldwin, Joseph Lyle (Law III)		B.S. in M.E. 1928, Carnegie Institute	
A.B. 1928, Roanoke College.		of Technology.	Calif.
Ball, Norman Tower (Law II)		Berry, Charles Oscar (Law II)	Utah
B.S. 1928, University of the City	W.Va.	Bussanment, Harold (Law II)	
of Toledo.	Ala.	Graduate, 1918, U. S. Naval Academy.	W.Va.
‡Ballard, Wade Hampton, II (Law I)	N.D.	Billings, Thomas Elton (Law II)	
A.B. 1927, West Virginia University.		Billups, Clyde (Law I)	Ill.
Ballard, Walter Eugene (Law II)		A.B. 1926, Marshall College.	
Bangert, Harold Wallace (Law III)		Bishop, Harold Alther (Law III)	
		A.B. 1926, Bradley Polytechnic Institute.	

Black, Henry Franklin (Law II) B.S. 1928, Norwich University	Vt.	*Burton, Lawton (Law III)	Okla.
Blair, John Alexander (Law II)	Okla.	Bush, Donald Porter (Law II) Graduate, 1929, U. S. Naval Academy.	Wyo.
M.E. 1928, Cornell University.		Byington, Moses Brownlow, jr. (Law, I.L.M.)	Tenn.
†Bledsoe, Samuel Benton (Law Spec.)	Tenn.	Graduate, 1918, U. S. Naval Academy. I.L.B. with distinction 1926, The George Washington University.	
Block, Edward Lippmann (Law I) B.S. in M.E. 1930, New York Uni- versity.	N.Y.		
Blone, Stephen Walter (Law II) B.S. in E.E. 1928, University of Idaho.	D.C.	†Caballero, Jose Capo (Law I)	P.R.
Byrthe, Harold Hillman (Law I)	Ohio	Cady, John Parmelee (Law II)	R.I.
Bock, Henry William (Law II)	D.C.	Graduate, 1932, U. S. Naval Academy.	
Bohn, Theodore Roosevelt (Law II)	Utah	Caldwell, Arthur Brann (Law III)	Ark.
B.S. 1928, University of Utah.		A.B. 1929, University of Arkansas.	
Book, Abraham Benjamin (Law I) A.B. 1930, Duke University.	N.C.	Callahan, Arthur Aloysius (Law I) B.S. 1926, St. John's College.	Md.
†Bookman, Howard (Law I)	Ill.	Callahan, Leonard Davis (Law I)	Ind.
Booth, August Marshall (Col. 69, Law III)	Okla.	*Camp, Thomas Lee (Law III) A.B. 1925, Oglethorpe University.	Ga.
†Bosley, Herbert Knight (Law I) A.B. 1921, West Virginia Wesleyan University.	D.C.	Campbell, Alexander Phillips (Law III) A.B. 1930, Pennsylvania State College.	Pa.
Bowen, Ollie James (Law III)	Ky.	Campbell, Charles Stewart (Law II) B.S. in E.E. 1928, University of Colorado.	W.Va.
A.B. 1929, University of Kentucky.		Campbell, Colin (Law III) Graduate, 1917, U. S. Naval Academy.	Va.
Bowie, Donald McAlpin, jr. (Law I)	Md.	Campbell, George Ball (Law I) B.S. 1928, The George Washington University.	D.C.
Boyd, Helen Marie (Law III) A.B. 1927, University of Wisconsin.	D.C.	†Campbell, Marion (Law III) Candland, Harold Arthur (Law II)	Pa. Utah
†Boyd, Robert Giddings (Law I) B.S. 1928, University of Porto Rico. A.M. in F.S. 1930, Georgetown School of Foreign Service.	Ore.	Cannon, David P. (Law I) A.B. 1926, Duke University.	Va.
Boyd, Robert Osborne (Law I) A.B. 1926, Amherst College.	D.C.	Cannon, Edward Lee (Law II) A.B. 1926, Duke University.	Va.
Boyer, James Barnes (Law III) B.S. in E.E. 1928, Pennsylvania State College.	Ind.	†Cannon, M. Hamlin (Law I)	Utah
Boykin, Robert Latham (Law II)	D.C.	†Cannon, Preston Leland (Law II)	Calif.
Bradley, Louis Francis, jr. (Law I)	Ohio	Cannon, Warren Hamlin (Law I) A.B. 1929, University of Utah.	Utah
†Bradley, William Cheney (Law III)	Ind.	Cantrell, Walter Thurman (Law III) B.E.E. 1916, University of Arkansas.	Okla.
†Bradt, Mary Elizabeth (Law I) A.B. 1925; A.M. 1925, Indiana University.	N.Y.	Caplan, Max (Law II) A.B. 1930, The George Washington University.	D.C.
Brauner, John J. (Law II)	Pa.	Card, Bruce Walter (Law Spec.)	S.C.
Brod, Jacques Leonard (Law I)	Iowa	Carelin, Edward Alexander (Law II) A.B. 1930, University of Nebraska.	Neb.
Brookhart, Smith W., jr. (Law III) A.B. 1929, The George Washington University.	Ohio	Carpenter, Samuel Raymond (Law II)	Utah
*Brookley, Zelpha Catherine (Law III) A.B. 1916, Miami University.	Tex.	†Carroll, Edward Joseph (Law I) A.B. 1928, University of Buffalo.	Ill.
Brooks, Albert Edwin, jr. (Law II) A.B. 1930, University of Maryland.	D.C.	M.B.A. 1930, Northwestern University.	
†Brower, Margaret Emma (Law I)	Ga.	Carron, John Hazelton (Law III) A.B. 1928, Antioch College.	Mich.
Brown, Lucy Williams (Law II) A.B. 1924, The George Washington University.	N.H.	Cawood, R. Hamilton (Law III) A.B. 1926, Pomona College.	Md.
Brown, Robert Thomas (Law I)	Mass.	Chapman, Leland Leon (Law II) B.S. in Ch.E. 1928, University of Idaho.	Idaho
Brown, Robert Washington (Law III) A.B. 1916, University of Arkansas.	Ark.	Charles, Philipp Lambert (Law II) A.B. 1920, Otterbein College.	Ohio
Brownson, Wesley Frederick (Law II) B.S. in M.E. 1930, University of Illinois.	Ore.	†Cheatham, Orme Ernest (Law I) B.S. in C.E. 1920, University of Hawaii.	Hawaii
Bugman, Lawrence William (Law I) B.S. in M.E. 1930, University of Illinois.	Ill.	Cheseldine, James Corbin (Law I) Chittick, Charles Yardley (Law I) B.S. 1918, Massachusetts Institute of Technology.	D.C. N.J.
Buchler, Milton (Law II) B.S. in M.E. 1925, University of Michigan.	D.C.	†Christopher, Clyde Burroughs (Law II) Chazh, Joseph Houston (Law I) B.S. in C.E. 1938, Kansas State Agricultural College.	Mich. Minn.
Bulman, Joseph (Law III)	D.C.	Churchill, William Philip (Law I) B.S. in Ch.E. 1930, University of Maine.	Me.
Bundy, Emory Edwin (Law I) A.B. 1927, Whitman College. A.M. 1930, The George Washington University.	Wash.	Churchwell, Dorothy Joy Burns (Law II)	D.C.
Burgess, Maria Dean (Law I)	D.C.		
†Burke, Jack (Law I) B.S. in M.E. 1930, Agricultural and Mechanical College of Texas.	Tex.		
Burnitt, John Morey (Law I)	S.D.		

Cladakis, Nick John (Law I) B.S. in F.S. 1930, Georgetown University.	Fla.	Crum, Harry Watson (Law III) B.S. 1924, Princeton University.	Pa.
Clapham, Wentworth Beggs (Law II) B.S. in C.E. 1929, The George Washington University.	N.Y.	Cunningham, John, jr. (Law II) Currie, Dan (Law I)	Iowa Idaho Me.
Clapper, Emory Walling (Law II) Clark, Chester Ray (Law III) A.B. 1921, Kentucky Wesleyan University.	Pa. D.C.	Cutting, Charles Ambrose (Law I) B.S. in E.E. 1930, University of Maine.	Md.
A.M. 1928, University of Michigan.	N.Y.	Daisley, Gordon Walford (Law II) Graduate, 1933, U. S. Naval Academy.	N.Y.
Clayton, Harry Webb, jr. (Law III)	Mass.	Darling, Ralph Edwin (Law I)	Ohio
†Clement, Armin Gerard (Law I)	Md.	†Davis, Alfred O'Neill (Law I)	Ariz.
†Cleveland, Washington Irving (Law, LL.M.) A.B. 1926; LL.B. 1923, The George Washington University.	Ind. Ill. S.D.	Davis, Arthur Marshall (Law II) Davis, Ransom Kirby (Law I) Graduate, 1920, U. S. Naval Academy. M.S. 1927, Harvard University.	Fla.
Clift, Martin Waterman (Law I) Cluster, Loren Lee (Law II) Coatsworth, John Wallace (Law II) A.B. 1928, Dakota Wesleyan University	D.C.	†Davis, Thomas Joel (Law I) †Davison, Clarence Clarke (Law Uncl.) LL.B. 1929, The George Washington University.	Ga. N.J.
Coe, Bryan (Law II) A.B. 1928, The George Washington University.	Ark. Me.	DeHaas, Miriam Milliken (Law I) Dell, Julian Peter, jr. (Law I) Ph.B. 1929, Emory University.	D.C. Ga. Md.
†Coffelt, George Clinton (Law I) Coffin, Lewis Charles (Law I) A.B. 1930, Bowdoin College.	Ind.	Dennis, Milton L. (Law I) deSouza, Daniel Arthur (Law II) Dickerman, George Lyman (Law II) B.S. 1927, Middlebury College.	Va. Conn.
Coffin, Seth Charles (Law II) B.S. 1926, Indiana University.	Va.	Dickerson, Francis Arthur (Law III) B.S. in E.E. 1918, Pennsylvania State College.	Pa.
Cohen, Bernard (Law I) Cohen, Bernard S. (Law I) A.B. 1928, University of Delaware.	Del.	Dickson, Elizabeth Lorie (Law I) B.S. 1924, Wilson College.	Md.
Cohn, Benjamin Emanuel (Law I) B.S. 1918, University of Illinois.	Ill.	Dietz, John Edward (Law II) Dingwell, Paul Douglas (Law Uncl.) Graduate 1917, U.S. Naval Academy. LL.B. 1928, The George Washington University.	D.C. R.I.
Cole, Mary Josephine (Law I) A.B. 1927, The George Washington University.	D.C.	Dinsmore, Clarence William (Law I) †Dinwoodey, Charles Dean (Law, LL.M.) A.B. 1925, University of Utah.	N.Y. Idaho
Colladay, David Clement (Law II) A.B. 1929, Princeton University.	Mass.	LL.B. 1929, The George Washington University.	D.C.
Collins, Stanley Newcomb (Law III) A.B. 1925, Bowdoin College.	D.C.	†Dolan, John Joseph (Law, LL.M.) A.B. 1923, Princeton University.	Ill.
†Colvin, James William (Law II) Conger, Bernard Wallace (Law II) A.B. 1930, The George Washington University.	D.C.	LL.B. 1928, The George Washington University.	D.C.
Conger, George William (Law II) Conradia, Albert Earl (Law III) A.B. 1923, Cornell University.	La. D.C.	†Dooley, Raymond Nelson (Law I) Dorsey, Harryman (Law III) A.B. 1929, The George Washington University.	Ill. D.C.
M.B.A. 1926, University of Pennsylvania.	Utah	Drowns, Allen Crawford (Law II) Drummond, Folsom Ewart (Law II) B.Chem.E. 1924, Ohio State University.	Va. D.C.
Coombs, John Wendell (Law I) A.B. 1926, University of Utah.	Calif.	Dubin, Bernard (Law II) Dudley, Donald Goodnow (Law II) A.B. 1926, Swarthmore College.	N.J. D.C.
Cotton, Sara Camblos (Law III) Coulston, Clemency King (Law II) Coulston, Jessamine (Law II) A.B. 1928, Bucknell University.	D.C.	Duehay, Francis Gardner (Law I) B.S. 1927, Princeton University.	D.C.
A.M. 1929, University of Chicago.	D.C.	Dugger, Ralph Loring (Law III) B.S. 1926, University of Illinois.	Ill.
Coulter, Eliot Brewster (Law III) Lit.B. 1914, Princeton University.	La.	Duncan, Hearst Randolph (Law II) Dutton, Lillian Bertha (Law II) A.B. 1926, The George Washington University.	Iowa D.C.
A.M. 1915, Harvard University.	Ill.	Dyas, Richard Campbell (Law II) A.B. 1929, University of Illinois.	Ill.
Courtney, William Hasell (Law II) A.B. 1927, Vanderbilt University.	Utah	Dye, Elden Hobson (Law II) Dyke, Herbert Gordon (Law I) A.B. 1930, Yale University.	Utah D.C.
A.M. 1928, Stanford University.	Utah	Eager, Thomas Hayward (Law II) *Earl, Marion Bradley (Law III) B.S. 1922, University of Utah.	Wash. Nev.
Cowgill, Harold Guy (Law Uncl.) Cowley, Charles Glyod (Law I) B.S. 1928, Utah State Agricultural College.	Utah		
Cragun, John W. (Law I) Crane, Wilfred Steven (Law I) B.S. in E.E. 1913, Carnegie Institute of Technology.	Ill.		
†Creath, Samuel Louis (Law Spec.) Cromwell, Frederick Paskell (Law I) B.S. 1930, University of Illinois.	Va. Ill.		

Earnest, James Murvin (Law II) B.S. 1927, Alabama Polytechnic Institute.	D.C.	Flack, Murray Marion (Law III) A.B. 1927, The George Washington University.	D.C.
*Edgerton, Justin Lincoln (Law III) A.B. 1920, The George Washington University.	Va.	Fleck, James Herring (Law II) Fleming, William Wright (Law II) Fleming, Arthur Sherwood (Law II) A.B. 1927, Ohio Wesleyan University. A.M. 1928, American University.	Pa. D.C. N.Y.
Edlowitz, Ellis (Law II) A.B. 1930, The George Washington University.	D.C.	Flocks, Karl Wilhelm (Law I) B.E. 1930, Johns Hopkins University.	Md.
†Edwards, Ivan Ren (Law II) B.S. in M.E. 1929, University of Texas.	Tex.	Flournoy, William Walton (Law III) A.B. 1928, University of Florida.	Fla.
Edwards, Malcolm Melbourne (Law II) A.B. 1926, Wabash College.	Ind.	Folkers, Kern Ellis (Law I) B.S. 1927, Dartmouth College.	N.Y.
Edwards, William Griffith, jr. (Law II) B.S. in E.E. 1927, University of Colorado.	N.Y.	Foster, Henry Lockwood (Law III) Fowler, Robert Edward (Law II) E.E. 1926, Cornell University.	D.C. N.Y.
Esner, Lawrence Victor (Law I) B.S. in M.E. 1928, Armour Institute of Technology.	Ill.	Fox, James Fulton (Law I) B.S. 1929, The George Washington University.	Del.
†Egger, William Ludmil (Law I) A.B. 1930, Colby College.	Me.	France, Floyd L. (Law I) Frazier, Dean Edward (Law III) *Frazier, Melvin Sidney (Law I) Freedman, Cecil L. (Law II) A.B. 1927; E.E. 1928, Leland Stanford University.	Neb. Mo. N.D. D.C.
†Eichler, Bessie Rosamiller (Law I) Elder, Clarence May (Law III) Eldridge, John Dupree, jr. (Law II) A.B. 1929, University of Arkansas.	Wis. D.C. Ark.	Freehof, Hyman Bennett (Law III) B.S. 1927, The George Washington University.	D.C.
Elliott, John Carl (Law II) Elliott, William Emmett (Law I) B.S. in E.E. 1930, Georgia Institute of Technology.	Ga. Ga.	Freidson, Isadore (Law I) A.B. 1930, The George Washington University.	Va.
Ellis, William Leigh (Law II) A.B. 1920, Hilldale College.	Mich.	Friedman, Maurice (Law I) A.B. 1930, The George Washington University.	Conn.
Ellison, Enoch Edward (Law II) Elvove, Kady (Law II)	W.Va. Ky.	Friedman, Melvin Hillard (Law II) B.S. 1928, The George Washington University.	D.C.
†Envall, Roy Norman (Law I) B.S. in M.E. 1930, Case School of Applied Science.	Ohio	Frisbie, Karl Friedlin (Law III) A.B. 1929, The George Washington University.	N.J.
Enyart, Byron Knight (Law II) Epaminonda, John G. (Law I) Epstein, Reuben (Law II) B.S. 1926, College of the City of New York.	Ind. Va. N.Y.	Gable, Raymond Edgar (Law III) Gala, Julian Rodriguez (Law II) Garber, Martin Dudley (Law II) Gasch, Oliver Herman (Law II) A.B. 1928, Princeton University.	Pa. D.C. Okla. D.C.
Erickson, David William (Law I) B.C.E. 1929, University of Minnesota.	Minn.	Gates, Eliot Young (Law III) A.B. 1927, University of Utah.	Utah
Etienne, Alexander Jerry (Law I) E.E. 1925, Rensselaer Polytechnic Institute.	N.Y.	Gates, Lawrence Merle (Law III) Gates, Robert McConnell (Law I) Gatley, Howard Prescott, jr. (Law I) Gatti, Richard Stephen (Law I) Gaylord, Thomas Ackley (Law I) Graduate, 1919, U.S. Naval Academy.	Pa. Iowa Md. D.C. Pa.
Evans, Robert Lee (Law II) B.S. in M.E. 1929, University of Maryland.	D.C.	Geniesse, Eugene William (Law III) B.S. 1920; M.S. 1924, University of Michigan.	D.C.
Falligant, Laura Louise (Law Uncl.) Falls, John Rankin (Law II) A.B. 1928, Davidson College.	Fla. N.C.	Gertler, Louis (Law I) Gibson, Lloyd Camden (Law III) B.S. 1917, West Virginia University.	D.C. Tex.
Fay, Charles Rozelle (Law I) Feinstein, Louise Francis (Law II) A.B. 1930, The George Washington University.	Mass. D.C.	†Gignilliat, John McIver (Law II) Gillespie, Frank Smith (Law II) Gillis, Leslie, jr. (Law I) A.B. 1929, Virginia Military Institute.	Ga. Ill. D.C.
Feldstone, Benjamin (Law I) Fenander, Edmund Albert (Law III) B.S. 1926, University of California.	D.C. Calif.	Glemser, Harry William Frederick (Law I) Graduate, 1929, Drexel Institute.	N.J.
Ferguson, Milton Carr (Law III) A.B. 1924, West Virginia University.	W.Va.	Glover, George Francis (Law III) †Godfrey, Howard Linwood (Law Uncl.) Goetz, Charles Moran (Law I) B.S. 1929, University of Colorado.	D.C. Pa. Wis.
Feyer, Henry Martin (Law II) Ch.E. 1929, Rensselaer Polytechnic Institute.	Conn.	Goldman, Joseph L. (Law III) A. B. 1929, The George Washington University.	D.C.
Filius, Maurice W. (Law I) A.B. 1924, Cornell University.	D.C.		
Finch, Eleanor Harrison (Law II) A.B. 1929, Trinity College.	Md.		
Firebaugh, J. Howard (Law I) A.B. 1924, University of Kansas.	Kan.		
Fitzsimmons, Richard Raymond (Law II) B.S. 1924, Carnegie Institute of Technology.	Pa.		

Goode, Donald Jack (Law II)	Iowa	Hedrick, Anna Fancher (Law III)	Va.
Goodridge, Lawrence Mason (Law I)	Mass.	A.B. 1921, Vassar College.	
Goodwin, William James (Law I)	D.C.	A.M. 1926, The George Washington University.	Mich.
B.S. 1930, The George Washington University.		†Hefstler, Paul Emile (Law I)	D.C.
Gott, Mildred Seymour (Law III)	D.C.	A.B. 1929, Dartmouth College.	Calif.
A.B. 1928, Trinity College.		†Heinemann, Charles Berkery (Law I)	Calif.
Graves, James Millar (Law II)	Mass.	Helmke, Margaret (Law II)	
B.S. 1927; A.M. 1928, Harvard University.		Hendricks, John E. (Law II)	
Gray, Robert Meade (Law II)	D.C.	B.S. 1929, The George Washington University.	D.C.
A.B. 1930, The George Washington University.		Herrick, Philip Field (Law II)	D.C.
Gray, Walter Thomas (Law I)	Mont.	A.B. 1929, Williams College.	
Greenawalt, Guy Angle (Law I)	Ill.	†Herrmann, Margaret (Law I)	Mass.
B.S. 1928, Carnegie Institute of Technology.		A.B. 1924, Swarthmore College.	
Greenbaum, Herman (Law III)	Del.	Hickey, Thomas James (Law I)	
Greene, Orville Nathaniel (Law II)	Pa.	B.S. 1930, Massachusetts Institute of Technology.	Pa.
A.B. 1929, Lehigh University.		High, Edward Louis (Law I)	Calif.
†Greenfield, Alfred Robert (Law I)	Pa.	B.S. 1929, University of Michigan.	Calif.
B.S. 1929, University of Pittsburgh.		Higginbotham, Jasper Habersham (Law III)	
Griggs, Albert Bertin (Law I)	Colo.	Hilbert, William Edward (Law I)	D.C.
Grimdall, Frank Albert (Law I)	Utah	Graduate, 1918, U.S. Naval Academy.	
Grossman, Pauline (Law II)	Ark.	A.M. 1925, Columbia University.	
Grow, Wendell Herbert (Law I)	Mich.	Hill, William Sasser, jr. (Law III)	Pa.
Grubb, Katherine Mary (Law III)	Ala.	A.B. 1927, University of Maryland.	
A.B. 1928, Smith College.		Hirsh, Bennett Marcus (Law I)	
Grunik, Frank Edward (Law II)	Wis.	B.S. 1928, University of Pennsylvania.	
A.B. 1930, The George Washington University.		M.S. 1928, Georgetown University.	D.C.
Gulick, Mary Smith (Law I)	Va.	School of Foreign Service.	
A.B. 1929, Randolph-Macon Women's College.		Hitch, Robert Agriola (Law I)	Calif.
Gullette, James Gordon (Law II)	Ill.	B.S. 1929, University of Maryland.	
Guthrie, Ross Ritter (Law I)	Md.	Hittson, Harker Henry (Law III)	D.C.
A.B. 1928, Harvard University.		B.S. 1926, University of Illinois.	
†Haden, R. Allen (Law I)	Tenn.	Hoage, Alden W. (Law II)	Md.
Ph.D. 1930, University of Chicago.		A.B. 1928, University of Maryland.	
Hagan, Margaret Wood (Law I)	Va.	Hodges, Harris Hamlin (Law II)	D.C.
A.B. 1910, Salem College.		Ph.B. 1929, Brown University.	Pa.
Hale, Frank Connell (Law II)	Tex.	Hoffman, Catherine Ehrmantraut (Law II)	
Hall, Clyde Webster (Law III)	Ind.	Hoffmann, James Thomas (Law III)	Calif.
B.S. 1925, Purdue University.		B.S. 1926, University of Pittsburgh.	
Hall, Liston Fleming (Law III)	Ala.	Hoffmann, John Martin, jr. (Law II)	Ind.
A.B. 1930, The George Washington University.	D.C.	Ed.B. 1926, University of California.	Ind.
Hamlin, Edmund Tarr (Law I)		Holden, William Sutherland (Law II)	Md.
Ph.B. 1926, University of Wisconsin.		Hollingsworth, Lindsay Lee (Law I)	Neb.
Hammar, Ralph (Law II)	Wis.	Holmes, Alice Meyer (Law I)	
B.S. 1926; M.S. 1927, Massachusetts Institute of Technology.	N.H.	Holmes, Louis Anthony (Law II)	Mich.
Hammerness, Clarence Rudolph (Law I)	D.C.	A.B. 1928, University of Nebraska.	Ill.
Hannah, Paul Francis (Law II)	D.C.	Holther, David K. (Law III)	N.Y.
B.S. 1927, Dartmouth College.		Hooff, Wilson Lee (Law II)	Utah
Harding, Raymond Barton (Law, LL.M.)	Va.	Hoover, Charles Jackson (Law III)	D.C.
B.S. 1920; LL.B. 1925, The George Washington University.		Horsley, Arthur Samuel (Law III)	
Hardy, Glen Ewing (Law I)	Utah	Horwitz, Jean Himmelfarb (Law III)	D.C.
A.B. 1930, University of Utah.		A.B. 1924, The George Washington University.	
Hardy, Karl Jack (Law III)	Utah	Hossfeld, Raymond Frederick (Law I)	
A.B. 1927, University of Utah.		B.S. 1930, The George Washington University.	Calif.
Harlan, Ashlan Fleetwood, jr. (Law I)	D.C.	Houser, Harold Alexander (Law III)	Tenn.
A.B. 1930, The George Washington University.		Graduate, 1921, U.S. Naval Academy.	
†Harrison, William Henry (Law I)	D.C.	Houston, Paris T. (Law I)	Mo.
Hatch, Douglas Lorenzo (Law II)	Nev.	A.B. 1930, Lincoln Memorial University.	Mich.
Havens, Nancy Sinclair (Law I)	N.J.	Howard, Andrew (Law III)	D.C.
A.B. 1930, New Jersey College for Women.		A.B. 1928, Drury College.	
Hearn, Wilfred Asquith (Law III)	Md.	Howlett, Thomas Denton (Law II)	
		A.B. 1929, Kalamazoo College.	
		Hoyt, John Mitchell (Law I)	N.C.
		A.B. 1928, The George Washington University.	Pa.
		Hudson, Thomas Buford (Law I)	Ala.
		Huey, Floyd Augustus (Law II)	
		A.B. 1930, Dickinson College.	
		†Hughes, Joseph D. (Law I)	

Hultquist, John Albert (Law 1)			
Hunt, Margaret Clarke (Law 11)			
A.B. 1929, The George Washington University.	Colo.	Keiper, Francis Pitman (Law 111)	N.Y.
Hunter, Rollin Ankeny (Law 111)	D.C.	A.B. 1927; E.E. 1928, Cornell University.	
Hutchinson, Edwin Randall (Law 1)	Iowa	Keith, John Augustine C. (Law 1)	Va.
B.S. 1930, LaFayette College	D.C.	Keitt, William Lawrence (Law 111)	Tex.
Hutchison, Earl Wedderburn (Law 11)	Pa.	A.B. 1926, University of Texas.	
B.S. 1916, University of Wisconsin.		Keller, William Davis (Law 111)	Calif.
Hutton, Harry Theodore (Law 1)	D.C.	A.B. 1929, University of Southern California.	
B.S. 1930, The George Washington University.		Kellogg Clyde Elmer (Law 11)	D.C.
I'Anson, Nannie Armistead (Law 11)	D.C.	Kerst, Paul Edward (Law 1)	Ill.
A.B. 1930, The George Washington University.		Graduate, 1928, U.S. Naval Academy.	
Iverson, Kenneth R. (Law 1)	D.C.	†Kertru, Emil William (Law 1)	Minn.
Jackson, Arthur Rulon (Law 11)	D.C.	Keyt, William Ward (Law 1)	D.C.
Jackson, Charles Horatio, Jr. (Law 11)	Utah	A.B. 1928, Ohio Wesleyan University.	
A.B. 1929, The George Washington University.	Tex.	†Kilian, Joseph Edward (Law 1)	Mich.
Jackson, George Maynard (Law Uncl.)	Tenn.	Kimball, Arthur Alden (Law 11)	Mass.
Jackson, John Winsfield (Law 11)	D.C.	Kincannon, Ferrus M. (Law 1)	Ark.
B.S. 1928, University of Pennsylvania.		*King, Angus Stanley (Law 111)	Va.
Jefferys, Robert Larew (Law 1)	W Va.	B.S. 1926, College of William and Mary.	
Jemison, William Zimmerman (Law 111)	D.C.	King, Charles Leonard (Law 111)	Mo.
†Jeausp, Daniel Arthur (Law 1)	Okla.	Kirk, Charles Roger (Law 111)	Ohio
A.B. 1930, The George Washington University.		A.B. 1929, The George Washington University.	
Johnson, Ervin George (Law 11)	Calif.	Kirkham, Francis Robison (Law 111)	Utah
B.S. 1927, University of California.		Klein, Ellis (Law 111)	Va.
Johnson, George Edmund (Law 11)	D.C.	B.S. 1928, University of Richmond.	
Johnson, Robert Lee (Law 11)	Ga.	Klompay, Francis Joseph (Law 11)	Ohio
Graduate, 1925, U.S. Naval Academy.		B.S. 1929, Carnegie Institute of Technology.	
Johnson, Alan Ladd (Law 1)	D.C.	Khvitzky, Boris Max (Law 11)	D.C.
Johnson, Albert Caldwell (Law 1)	Va.	Knapp, Ignatius Melchior (Law 1)	Pa.
A.B. 1930, The George Washington University.		†Knight, Albin Frank (Law 1)	Md.
Johnston, Everett Dale (Law 111)	Ohio	B.S. 1929, University of Maryland.	
A.B. 1927, The George Washington University.		Knight, Frederick Hawley (Law 11)	Vt.
Joslin, Hiram Millard (Law 11)	Iowa	B.S. 1928, Worcester Polytechnic Institute.	
A.B. 1924, Coe College.		Knighton, Joseph Wilson (Law 111)	Md.
Joyce, Ralph Fairbanks (Law 111)	Pa.	B.S. 1917, St. John's College.	
A.B. 1925, Allegheny College.		†Knosher, Vernon William (Law 1)	Wash.
Jayne, John Howard (Law 111)	Va.	Knowlson, James Kaiser (Law 1)	Utah
B.S. 1925, Carnegie Institute of Technology.		Kransauer, Reginald Joseph (Law 1)	D.C.
M.S. 1928, Massachusetts Institute of Technology.		A.B. 1930, The George Washington University.	
Juruss, Chester Lee (Law 1)	Idaho	†Krey, Isabella Brown (Law 1)	D.C.
B.S. 1928, University of Idaho.		A.B. 1925, The George Washington University.	
Jeten, Milford Amandus (Law 1)	Minn.	Kulp, Howard Gilbert, Jr. (Law 111)	N.J.
Kalk, Clarence Ambrose (Law 11)	N.Y.	A.B. 1929, The George Washington University.	
E.E. 1928, Rensselaer Polytechnic Institute.		Lacey, Trammell Calhoun (Law 11)	Tex.
Kamm, Edmund William Emul (Law 1)	Ind.	A.B. 1927, University of Texas.	
B.S. 1930, Purdue University.		*Lamphure, Phineas Harold (Law 111)	Mont.
Kampe, Albert Henry (Law 11)	Mich.	B.S. 1927, University of Idaho.	
B.S. 1924, The George Washington University.		Langford, George Frank (Law 11)	N.Y.
Kane, James Martin (Law Spec.)	N.D.	M.E. 1927, Stevens Institute of Technology.	
Karr, Day Payne (Law 111)	Wash.	Langshaw, Gertrude (Law 111)	Mich.
A.B. 1929, University of Washington.		Lannan, John Vincent (Law 1)	Minn.
Kearney, George Joseph (Law 1)	N.Y.	Larcombe, John Ray (Law 1)	D.C.
Ph.B. 1928, Dickinson College.	Pa.	Latimer, Cood (Law 1)	Fla.
Keely, James Everett (Law 1)	Mass.	B.S. 1925, Georgia Institute of Technology.	
B.S. 1928, Massachusetts Institute of Technology.		†Lawrence, Thomas Linwood (Law Spec.)	D.C.
		L.L.B. 1929, The George Washington University.	
		Lawton, Alethea Helen (Law 11)	D.C.
		Layton, Philip Raymond (Law 11)	Calo.
		Leiman, Horobaker Bradford (Law 1)	Va.
		Lee, Edward Myers (Law 11)	D.C.
		B.S. 1922, College of William and Mary.	
		B.S. 1925, Massachusetts Institute of Technology.	

*Lee, Robert Edward (Law III)	D.C.	McGee, Florence M. (Law I)	N.Y.
LeGates, Eber Thomson (Law II)	Del.	A.B. 1928, The George Washington University.	
B.S. 1928, University of Delaware.			Md.
Leighy, Robert Augustus (Law III)	Ohio	MacGill, Winfield Scott (Law II)	Hawaii
Lenny, Lewis James (Law I)	Mass.	B.S. 1928, University of Virginia.	Utah
B.S. 1923, Worcester Polytechnic Institute.		McGregor, Daniel Pamawaho (Law II)	
Leonnig, Leo John (Law I)	Ore.	McKay, David Lawrence (Law II)	N.Y.
B.S. 1926, Oregon State Agricultural College.		A.B. 1926, University of Utah.	
LeRoy, Claude Arthur (Law III)	N.Y.	Mackey, Harry S. (Law II)	Okl.
E.E. 1924, Cornell University.		E.E. 1929, Cornell University.	
Levin, Leon (Law III)	N.J.	McKnight, Charles Maurice (Law I)	D.C.
A.B. 1928, Lehigh University.		B.S. in M.E. 1929, Purdue University.	
Liebrecht, Edward Francis, jr. (Law I)	D.C.	McNeill, George Hamilton (Law II)	W.Va.
B.S. 1930, Virginia Polytechnic Institute.		A.B. 1929, Wake Forest College.	
Lillard, William Watson (Law Uncl.)	N.J.	*Malley, John Wallace (Law I)	D.C.
B.S. 1924, Agricultural and Mechanical College of Texas.		Graduate, 1927, U.S. Naval Academy.	
Lindquist, Willis John (Law II)	Minn.	Manian, Joseph Charles (Law III)	Ala.
Lineweaver, Helen Parrish (Law I)	Va.	B.S. 1926, Massachusetts Institute of Technology.	
Linscott, Henry Dallas (Law I)	Kan.	Mann, James DeValse (Law II)	Conn.
B.S. 1916, Kansas State Agricultural College.		A.B. 1928, Birmingham Southern College.	
Listerman, Wayne Lieberth (Law II)	Ky.	Manship, Winfield Scott (Law III)	
A.B. 1928, Miami University.		A.B. 1886, Wesleyan University.	N.Y.
Littlehales, George Reber (Law II)	D.C.	B.D. 1889; Ph.D. 1891, Yale University.	Kan.
B.S. 1923, Princeton University.		Mantell, Leon Michael (Law II)	Wash.
Lloyd, Fergus Lee (Law II)	Miss.	Martin, George Bernard (Law I)	Idaho
*Lockwood, Katharine Robb (Law III)	D.C.	*Martin, Harold Alton (Law I)	Va.
Logsdon, DeEarle Monroe (Law II)	D.C.	Martin, Henry Stanley (Law I)	D.C.
*Lombard, Herman Gerton (Law I)	Ind.	*Martin, William Thomas (Law I)	
B.S. 1930, University of Maryland.		Matson, Frederic Church (Law I)	Ind.
Longyear, Robert Dudley (Law III)	D.C.	E.E. 1929, Lehigh University.	
A.B. 1918, Harvard University.		Matteson, Frederic Lewis, jr. (Law II)	D.C.
Lord, Clarence Irving (Law I)	Pa.	B.S. in C.E. 1925, Rose Polytechnic Institute.	
Lowdon, Graham Norris (Law II)	D.C.	Mattingly, Mary Alice (Law Uncl.)	Utah
B.S. 1920, Washington and Lee University.		A.B. 1929, The George Washington University.	
Lowe, Robert Chapin (Law I)	N.J.	Mattason, Carvel (Law II)	Tex.
Luce, Clifton Hadley (Law III)	D.C.	B.S. 1928, University of Utah.	Ill.
Lyman, Josiah (Law I)	D.C.	*May, James Truett (Law I)	Ill.
*Lyons, John Leonard (Law III)	Ga.	*Mayberry, Bernard C. (Law I)	One.
A.B. 1925, Emory University.		Medill, Thomas James, Jr. (Law I)	
McArthur, Charles Robert (Law I)	Ark.	Meindl, Gerald James (Law II)	N.D.
A.B. 1929, University of Arkansas.		B.S. 1929, University of Oregon.	
*McBroom, Walter Scott (Law Uncl.)	D.C.	Melville, H. Arlo (Law II)	Ind.
B.S. 1926, The George Washington University.		B.S. 1926, University of North Dakota.	N.J.
LL.B. 1929, Harvard University.		*Mendenhall, Paul (Law III)	
McCandless, David Alexander, jr. (Law III)	Ky.	Mermelstein, Milton Emanuel (Law III)	D.C.
McCandlish, Robert John, jr. (Law I)	Md.	A.B. 1930, The George Washington University.	
A.B. 1930, University of Maryland.		Merrett, Ella Arvilla (Law III)	Ill.
*McCann, Donald Herbert (Law I)	Me.	A.B. 1903; A.M. 1905, The George Washington University.	D.C.
McClellan, Sidney (Law II)	Idaho	Myer, Ralph Griffith (Law I)	Pa.
A.B. 1927, University of Idaho.		Milana, Robert Southland (Law I)	Ohio
McClelland, Casper Shepard (Law II)	Pa.	E.E. 1929, Cornell University.	Pa.
McCloud, Walter Donald (Law I)	Ohio	Miller, Bennett Goodyear (Law I)	
B.S. 1928, Ohio State University.		Miller, Bruce Ervin (Law II)	
McCollum, Lloyd (Law I)	Me.	Miller, Florian George (Law II)	Pa.
B.S. 1930, University of Maine.		B.S. in M.E. 1929, University of Michigan.	
MacDonald, Michael Joseph, jr. (Law I)	Mass.	Miller, James Harold (Law II)	Ohio
MacDonald, Thomas Ross (Law II)	Mass.	A.B. 1929, Juniata College.	
B.S. 1929, Massachusetts Institute of Technology.		Miller, Robert Spanders (Law III)	Ky.
McEldowney, Grace Cornelia (Law III)	D.C.	A.B. 1928, University of Michigan.	
A.B. 1918, Smith College.		Milligan, Vincent Bartlett (Law I)	Ill.
McGann, Burton Allen (Law II)	D.C.	B.M.E. 1912, University of Kentucky.	Me.
A.B. 1939, University of Maryland.		Mills, Carol Vandaveer (Law I)	Calif.
		B.S. in C.E. 1930, University of Illinois.	
		Mills, William Butler (Law I)	
		A.B. 1920, Bowdoin College.	
		Milmore, Oswald Herman (Law I)	
		B.S. 1929, University of California.	

Mitchell, Arthur Vernon (Law 1)	Mass.	Newton, Edward Taylor (Law 1)	Ga.
† Mitchell, William Hayes (Law 1)	N.C.	B.S. in E.E. 1926, Georgia Institute of Technology.	
Mitman, Harry Ammon (Law III)	Pa.	Newton, Gaylord Weld (Law 1)	N.Y.
Ch.E. 1924, Lehigh University.		B.S. in M.E. 1929, New York University.	
Monroe, Jack Ashby (Law Spec.)	Va.	Neyman, Fanny (Law Uncl.)	Mont.
Monk, Clair Barker (Law III)	Pa.	Nichols, Louis B. (Law 1)	Mich.
† Morrah, Milford Ralph (Law 1)	Nev.	Nicholson, Donald Lon (Law III)	Pa.
Morris, Henry McAllen (Law 1)	D.C.	A.B. 1928, Bucknell University.	
A.B. 1921, Davidson College.		Noble, Moss (Law III)	Ky.
A.M. 1929, The George Washington University.		A.B. 1927, Berea College.	
Morris, John Carless (Law II)	N.Y.	Nolan, James Edward (Law II)	Mass.
E.E. 1926, Cornell University.		B.S. in E.E. 1926, Tufts College.	
Morris, John Joseph (Law 1)	Va.	Nold, Marie Cuthbertson (Law II)	Minn.
B.S. in Ed. 1928, University of Virginia.		A.B. 1919, The George Washington University.	
Morris, Lynn Barrett (Law 1)	Utah	Nordlinger, Bernard Isaac (Law II)	D.C.
Morris, Rayson Pasco (Law II)	Idaho	A.B. 1929, The George Washington University.	
B.S. in E.E. 1928, University of Idaho.		Norley, William Henry (Law 1)	Minn.
Morris, Walter Newth (Law II)	Pa.	B. of M.E. 1929, University of Minnesota.	
Morse, Excellenza Leah (Law III)	Vt.	Norris, Henry Gladden (Law II)	La.
A.B. 1920, University of Vermont.		Norris, John Gilbert (Law II)	D.C.
B.S. 1922; M.S. 1923, Massachusetts Institute of Technology.		† Norton, Francis Allen (Law II)	Ark.
Morton, John (Law 1)	Mass.	A.B. 1929, Ouachita College.	
† Moy, Samuel Orme (Law 1)	Mass.	Norton, P.T. (Law 1)	Tex.
M.E. 1930, Rensselaer Polytechnic Institute.		A.B. 1928, University of Texas.	
Muir, Joseph Johnstone (Law III)	Md.	Norvell, George Eldon (Law III)	Okla.
Mulford, Kenneth Eugene (Law 1)	Md.	A.B. 1929, University of Oklahoma.	
B.S. in E.E. 1929, The George Washington University.		Nutter, Carl Joseph (Law II)	W.Va.
Mullin, James Palmer (Law 1)	Ind.	Nystrom, Harold Charles (Law III)	S.D.
B.S. 1929, University of Illinois.		A.B. 1926, University of South Dakota.	
A.M. 1930, Syracuse University.		O'Brien, Ruth (Law III)	D.C.
† Mulroy, Thomas Robert (Law Uncl.)	Ill.	B.S. 1914; A.M. 1915, University of Nebraska.	
Ph.B. 1926; J.D. 1928, University of Chicago.		O'Brien, William Talbot (Law 1)	W.Va.
Murdock, Franklin Joseph (Law II)	Utah	A.B. 1926, West Virginia Wesleyan University.	
† Murdock, James (Law 1)	D.C.	Oelschlagel, William E. (Law III)	Mo.
A.B. 1916, West Virginia Wesleyan University.		O'Hare, Herbert (Law 1)	N.D.
Murphy, Harold Warner (Law II)	Ind.	† Olsen, Niels Andrew (Law 1)	Idaho
Murphy, Howard Meredith (Law III)	D.C.	Olsen, Earl Stanley (Law 1)	Wash.
Murphy, James Russell (Law III)	Kan.	B.S. 1927, University of Washington.	
Murphy, Maxwell Kerr (Law 1)	Me.	Olsen, Frank Montague (Law II)	Utah
B.S. 1930, University of Maine.		† Olson, Mabel Evelyn (Law 1)	N.M.
Muth, George Edward (Law 1)	D.C.	A.B. 1929, University of New Mexico.	
Nackeno, Jacob Leo (Law 1)	Neb.	O'Malley, Thomas Richard (Law 1)	Ill.
B.S. in C.E. 1928, University of Nebraska.		B.S. 1930, Armour Institute of Technology.	
Nash, Paul Revere (Law 1)	D.C.	Orbison, Robert Henry (Law II)	Ind.
B.S. in E.E. 1922, Massachusetts Institute of Technology.		Osborne, John Broadus (Law II)	S.C.
Narrkemper, Louis David (Law III)	Ind.	A.B. 1916, Furman University.	
† Neff, John McCullough, jr. (Law 1)	Neb.	Osmond, Alfred Wendell (Law III)	Utah
A.B. 1929, Nebraska Wesleyan University.		Owen, Allen (Law 1)	Ohio
Neff, Paul Raymond (Law III)	Ohio	B.S. in E.E. 1930, University of Michigan.	
B.S. 1923, Heidelberg University.		Oxenberger, Gerald Isaac (Law 1)	D.C.
A.M. 1927, The George Washington University.		† Page, Carter (Law 1)	Va.
Neilson, George Darrell (Law II)	Utah	B.S. 1926, Virginia Military Institute.	
B.S. 1928, Utah State Agricultural College.		Page, William Tyler (Law 1)	Md.
Neilson, Rulon K. (Law 1)	Utah	A.B. 1930, University of Maryland.	
Nolligan, James Alfred (Law I)	Fla.	Patel, James Don (Law 1)	Iowa
Nelson, Melville Cary (Law 1)	N.C.	Parker, Albert Marcus (Law II)	N.J.
Nevius, Richard David (Law III)	D.C.	B.S. in M.E. 1928, University of Maine.	
Newberry, Dolan M. (Law 1)	Tex.	† Parker, Charles Butnard (Law 1)	Mass.
Newlin, John Wigton (Law 1)	Pa.	B.S. 1927; M.S. 1929, Worcester Polytechnic Institute.	
		Parker, James Clarence, jr. (Law III)	D.C.
		Parish, Eldon Mason (Law II)	W.Va.
		Parsons, George Samuel, jr. (Law II)	Colo.

Parsons, Richard Abner (Law 1) B.S. 1930, The George Washington University.	S.D.	Quijano, Juan R. (Law 11) Quinn, Thomas Michael (Law 1)	P.I. Ind. N.Y.
Parsons, Verna Lenore (Law 11) Parsons, William Herbert (Law 11) †Pasch, Maurice Bernard (Law 1) Patterson, Donald Gillis (Law 11) Patterson, George Daniel (Law 11) B.B.A. 1928, Emory University. Patterson, Kirby Williams (Law 11) A.B. 1928, Drury College. Patterson, Melvin (Law 1) †Patterson, Robert John (Law 1) B.S. in Ch.E. 1930, Clarkson College of Technology.	D.C. D.C. Wis. N.H. Ala. Mo. N.Y. N.Y.	Rabinowitz, Gilbert (Law 11) A.B. 1930, The George Washington University. Raley, Irving James (Law 11) Randolph, Cary Jacquelin (Law 11) A.B. 1927, University of Virginia. Rathburn, Mark Hudson (Law 1) B.S. in E.E. 1929, University of Colorado. Rawalt, Luella Marguerite (Law 11) Reagle, Hilda Ruth (Law, LL.M.) A.B. 1925; LL.B. 1927, The George Washington University.	D.C. Va. Colo. Tex. D.C.
Payne, William Burbridge (Law 11) Pecoraro, Leone (Law 11) A.B. 1928; A.M. 1929, Columbia University.	W.Va. N.Y.	†Rees, William Chevers (Law 11) Reichmann, Owen G. (Law, LL.M.) B.S. 1924, University of Utah. LL.B. 1930, The George Washington University.	D.C. Utah
Pedersen, Lawrence B. (Law 11) A.B. 1926, Grinnell College. Pedersen, Marcus Jeppesen (Law 11) Pellecchia, Pellegrina James (Law 11) Pember, Gladys Ella (Law 1) A.B. 1930, Mt. Holyoke College. Perry, Albert Walter (Law 11) †Pettry, Wirt Hayes (Law 11) Peverill, William LeRoy (Law 11) B.S. in M.E. 1927, University of Maryland.	Iowa Utah N.J. N.Y. Fla. W.Va. D.C.	Remsen, Charles Cornell, jr. (Law 1) E.E. 1910, Cornell University. Reynolds, Hazel Vincenz (Law 1) A.B. 1924, The George Washington University. Rice, Roland McLaren (Law 11) A.B. 1929, American University. †Richards, James Walsh (Law 1) †Richards, Karl Morgan (Law 1) A.B. 1927, University of Utah.	N.J. Md. Md. D.C. Utah
Philbrick, Howard Reginald (Law 11) B.S. 1928, Oregon State Agricultural College.	Wash.	Richardson, William Burton (Law 1) Richey, Robert Charles (Law 11) Rinehart, Theodore A. (Law 11) Riordon, Robert Callahan (Law 1) B.S. in M.E. 1929, Catholic University.	D.C. Ohio D.C.
Phillips, Laurence Akers (Law 11) Phillips, Lucas Dellam (Law 11) Pickens, Madison Dallas (Law 1) Pillars, Miles Dorwin (Law 1) B.S. 1928, Oregon State Agricultural College.	D.C. Va. D.C. Ore.	Risher, Charles W. (Law 1) A.B. 1929, Indiana State Teachers' College.	Ind. Utah Neb. Ill.
Pisarra, Francis Joseph (Law 1) Polkowitz, Morton Leo (Law 1) †Porter, Alexander Munn (Law 1) †Porter, George Wilbur (Law 1) A.B. 1930, Dartmouth College. Potter, John Wilmer, jr. (Law 11) B.E. 1926, Johns Hopkins University. Porter, Nelson Augustine (Law Spec.) Powell, Harold Neally (Law 11) B.S. in C.E. 1929, University of Maine. Prangley, Arthur George, jr. (Law 11) B.S. 1925, University of Maryland. Prangley, Curtis Frederick (Law 1) B.S. in E.E. 1930, The George Washington University.	N.Y. N.J. D.C. N.Y. Md. D.C. Me. D.C.	Roberts, Ralph S. (Law 11) Robertson, James Louis (Law 11) Robertson, Robert Hayes (Law 11) A.B. 1927, Wabash College. Robinson, William Junius (Law 11) Robinson, William Walker (Law 1) Rodgers, George Christman (Law 11) B.S. 1929, Davis and Elkins College. Roebkin, Esther Marie (Law 1) Rohrer, Carl Pepper (Law 1) Romney, Blaine Taylor (Law 1) Ronald, James Hall (Law 1) A.B. 1929, Earlham College.	D.C. Ky. W.Va. D.C. Va. Utah Ind.
Prentiss, Helen Louise (Law 11) A.B. 1929, The George Washington University.	D.C.	†Ronning, Henry Leigh (Law 1) Rosenberry, Wellington H., jr. (Law 11) A.B. 1929, Pennsylvania State College.	Minn. Pa.
†Price, Seymour Gilbert (Law 1) M.E. 1925, Rensselaer Polytechnic Institute.	Conn.	Rosenburg, Everett Reynolds (Law 11) E.E. 1924, Rensselaer Polytechnic Institute.	N.Y.
Prince, Darius Finley (Law 11) A.B. 1925, Maryville College.	Tenn.	Rosenthal, Anne Henrietta (Law 11) A.B. 1930, The George Washington University.	Va. Mass. Mich.
Proctor, Robert Finis (Law 11) A.B. 1927, Georgetown College.	Ala.	Rosoff, Leo (Law 11) Ross, Stanley Edward (Law 1) B.S. in M.E. 1926, Michigan State College.	Ind.
Quackenbush, Leo (Law Uncl.) E.E. 1924, Cornell University. LL.B. 1929, Georgetown University.	D.C.	Rowe, Lionel Lewis (Law 11) Graduate, 1914, U.S. Naval Academy.	D.C. Pa.
Quale, Franklin Edward (Law 1) B.S. in M.E. 1930, University of Michigan.	Ohio	Rule, Raymond (Law 11) Rupert, James Allison (Law 11) A.B. 1927, Ohio State University.	Tenn.
Queen, Harold Ellis (Law Uncl.) B.S. 1930, University of California.	D.C.	†Russell, Frank B. (Law 1) A.B. 1930, University of Alabama. Russell, George Lucius (Law 11) Graduate, 1921, U.S. Naval Academy.	Vt.

Rutter, Janet Goodwin (Law II)	D.C.	Simon, Leon (Law I)	Ill.
Ryan, John William (Law I)	N.Y.	B.S. 1930, University of Illinois.	
B.S. in C.E. 1930, Clarkson College of Technology.		†Simons, Macen McCorkle (Law III)	N.C.
Ryan, Thomas John (Law III)	La.	Simpson, Joseph Bernard (Law I)	D.C.
Graduate, 1920, U.S. Naval Academy.		Sipkin, George (Law III)	N.Y.
Ryerson, John Edward (Law II)	D.C.	Sitton, Floyd Weldon (Law I)	Tex.
A.B. 1928, University of Maryland.		A.B. 1928, Simmons University.	
Sailor, Hobart Andrew (Law I)	Ohio	Sitz, Walter Hoersch (Law II)	Iowa
Graduate, 1918, U.S. Naval Academy.		Graduate, 1916, U.S. Naval Academy.	
Saltzman, Frank Reno (Law I)	D.C.	M.S. 1922, Massachusetts Institute of Technology.	
Sample, Lloyd Erle, jr. (Law III)	W.Va.	Smethurst, Raymond Stevens (Law I)	Mass.
A.B. 1928, West Virginia University.		B.S. 1930, Harvard University.	
Saulsbury, LaForest Stephen (Law I)	Mo.	Smith, Berta May (Law I)	Pa.
B.S. 1926, University of Maine.		A.B. 1930, Goucher College.	
Schaeffer, Paul Eugene (Law II)	W.Va.	Smith, Frank DeLarme (Law II)	D.C.
Schimmel, Joseph (Law II)	Md.	B.S. in M.E. 1925, Harvard University.	
B.S. in C.E. 1923, Carnegie Institute of Technology.		Smith, James Len (Law III)	D.C.
Schmitz, Paul Joseph (Law I)	Wis.	B.S. in C.E. 1917, Iowa State University.	
B.S. in M.E. 1926, Purdue University.		Smith, Jesse Robinson (Law II)	Utah
Schofer, Harry Nathaniel (Law II)	D.C.	Smith, John Wallace (Law I)	Ohio
B.S. in C.E. 1920, The George Washington University.		Smith, Lewis Meneet (Law II)	D.C.
Schofield, William Wilcox (Law I)	D.C.	Ph.B. 1929, Yale University.	
Scholten, Dudley John (Law I)	Mich.	Smith, Melvin Clyde (Law II)	W.Va.
A.B. 1930, University of Michigan.		A.B. 1927, West Virginia University.	
Schrader, Milward Cecil (Law II)	Kan.	Smith, Reginald Frank (Law II)	Pa.
Schramm, Frederic Bernhard (Law III)	D.C.	Ch.E. 1929, Lehigh University.	
B.S. in E.E. 1925, Case School of Applied Science.		Snow, Ralph Dale (Law I)	Utah
Schulz, Hugo Otto (Law II)	N.J.	Snow, William James, jr. (Law III)	Utah
M.E. 1927, Stevens Institute of Technology.		Snure, Anne (Law II)	Md.
†Schuttler, Norman Nedwin (Law III)	Idaho	A.B. 1928, The George Washington University.	
B.S. in E.E. 1927, University of Idaho.		Snyder, Albert Ralph (Law I)	D.C.
Schwartz, Sam (Law II)	Conn.	Snyder, Henry Sol (Law II)	D.C.
Scoredos, Crist G. (Law II)	D.C.	†Spangenberg, Charles Byron (Law I)	Ohio
A.B. 1925, The George Washington University.		B.S. 1930, Case School of Applied Science.	
Scott, Harry Donald (Law I)	Ill.	Spangler, George Wilt (Law II)	Pa.
Scrivener, Frank Edward (Law I)	D.C.	A.B. 1927, The George Washington University.	
Seamster, Bernal Delmar (Law II)	Ark.	Spasoff, John (Law I)	Calif.
A.B. 1930, University of Arkansas.		B.S. in E.E. 1920, The George Washington University.	
Seaton, Warren (Law II)	Iowa	Spaulding, Augusta de Laguna (Law III)	D.C.
A.B. 1926, Iowa State University.		A.B. 1912; A.M. 1913, University of California.	
A.M. 1927, Harvard University.		*Speer, Larken (Law III)	Tex.
Sergmiller, Keith Lorraine (Law II)	D.C.	Spencer, David Crismon (Law I)	Utah
Seers, Joseph Deodat (Law III)	Mass.	A.B. 1930, University of Utah.	
Seibold, Myron James (Law I)	Pa.	Spielberg, Solomon (Law I)	Conn.
B.S. in E.E. 1929, Carnegie Institute of Technology.		A.B. 1928, Yale University.	
Sesions, DeForest Edwin (Law II)	Utah	Stawley, John Cox (Law I)	Ky.
Shapiro, Arthur (Law III)	Md.	Stearns, Robert Maynard (Law III)	Iowa
B.E. 1921, Johns Hopkins University.		Steele, John Winton (Law I)	Idaho
Sharp, Freeman Wilfred (Law III)	D.C.	Steenrod, Virginia Ruth (Law III)	Ohio
Shaw, Richard Waring (Law II)	Kan.	†Stephens, Charles Lee (Law I)	D.C.
Sheldon, Alice Colbert (Law I)	D.C.	Stephens, Francis Devoreaux (Law I)	D.C.
A.B. 1926, The George Washington University.		B.S. 1930, University of Maryland.	
Sheldon, Clifford Arthur (Law III)	Iowa	Stephens, Thomas (Law III)	D.C.
Shelton, Charles Latimer (Law II)	Md.	B.S. 1928, University of Maryland.	
Shelton, Frederick DeWitt (Law I)	Mo.	Sterritt, John Calhoun (Law II)	Pa.
A.B. 1916, Drury College.		M.E. 1928, Cornell University.	
Sherwood, William Earl (Law II)	Ky.	Stewart, George Emory (Law I)	Utah
B.S. in M.E. 1927, University of Kentucky.		Still, Samuel Hutchins, jr. (Law I)	S.C.
Siler, Aldine Kiefler, jr. (Law II)	Pa.	A.B. 1929, The Citadel.	
Sills, Stephen (Law I)	D.C.	Stoddard, Sanford Miller (Law I)	Iowa
Simmons, Marvellus Culmer (Law II)	Utah	Stone, Charles Parker, jr. (Law II)	D.C.
A.B. 1928, The George Washington University.		A.B. 1923, Yale University.	
		Stone, Franklin Martin (Law I)	Minn.
		Stover, John Lewis (Law II)	Pa.
		Striack, Joseph Peter (Law I)	Ind.
		B.S. in E.E. 1928, Carnegie Institute of Technology.	

Stukes, James Edward (Law III)	Ga.	Turgeon, Edward Philip (Law Spec.)	R.I.
Stukes, Lionel Chalmers (Law III)	Ga.	Tuzoff, Dora Miriam (Law I)	D.C.
Stull, Harold Webster (Law II)	Pa.	A.B. 1929, The George Washington University.	N.Y.
A.B. 1928, Pennsylvania State College.		Tweedale, Ralph Landon (Law II)	D.C.
Stults, Harold Leland (Law I)	Ind.	Twining, Merrill Barber (Law II)	
B.S. in E.E. 1930, Purdue University.		Graduate, 1923, U.S. Naval Academy.	
Sturgis, Hugh Legare (Law I)	Md.		
A.B. 1921, The George Washington University.		VanDyke, Lawrence Adelbert, jr. (Law II)	Utah
†Sturtevant, Charles Lyon, jr. (Law I)	D.C.	VanLandingham, Zack Jennings (Law III)	Miss.
Seyner, Truman Leonard (Law II)	Idaho	A.B. 1926, University of Mississippi.	W. Va.
B.S. in E.E. 1928, University of Idaho.		VanMeter, Kenny Chambers (Law II)	D.C.
Sullivan, George David (Law II)	N.Y.	†Veloasy, Edmund Leslie (Law II)	Ind.
Graduate, 1927, U.S. Naval Academy.		Vendel, John Robert (Law I)	
Summerhays, Joshua Bennion (Law II)	Utah	B.S. 1929, Rose Polytechnic Institute.	Md.
Summers, Frank Calhoun (Law II)	Neb.	Venesky, Julian (Law II)	Utah
B.S. in C.E. 1929, University of Nebraska.		Vernon, Clinton DeWitt (Law III)	Ohio
Swanson, Harold Axel (Law I)	Mass.	Vesey, J. Howard W. (Law I)	Mass.
†Sweeney, Charles Amos (Law I)	Ohio	Vibber, Alfred Wheeler (Law I)	
†Swinburne, Arthur Francis (Law II)	D.C.	B.S. 1930, Worcester Polytechnic Institute.	
Symmes, Frank Aaron, jr. (Law I)	Ind.	VonDachenhause, George Alexander (Law III)	D.C.
A.B. 1929, Butler University.		A.B. 1929, The George Washington University.	Okl.
		vonDerLancken, Carl (Law I)	Pa.
Tanner, John H. (Law I)	Utah		Pa.
Tashof, Leon Anthony (Law III)	D.C.	Walck, Earl Clifford (Law I)	
Taylor, Alfred Lindsay (Law III)	N.Y.	†Waldman, Jacob (Law I)	Utah
E.E. 1923, Rensselaer Polytechnic Institute.		A.B. 1929, University of Pennsylvania.	D.C.
Taylor, Dwight D. (Law III)	Wash.	Walker, Walter Kennedy (Law II)	
Taylor, William Morris (Law II)	Calif.	Wallace, George Lloyd (Law II)	Ill.
Tendler, Max Melville (Law III)	D.C.	Graduate 1923, U.S. Naval Academy.	
†Tenney, E. Paul (Law I)	D.C.	Wallace, Jesse Rink (Law II)	Ohio
A.B. 1926, Stanford University.		Graduate, 1922, U.S. Naval Academy.	
Terry, George McGrew (Law II)	Okl.	Wallenstein, Sydney (Law II)	
Thompson, Irvin Stewart (Law III)	D.C.	B.S. 1928, Case School of Applied Science.	Del.
B.S. 1927, The George Washington University.		Walz, August Frederick (Law II)	
Thompson, Nathaniel P. (Law I)	Ill.	A.B. 1928, University of Delaware.	D.C.
Thompson, Paul Gladstone (Law, LL.M.)	Tex.	Ward, Lewis Hall (Law III)	La.
A.B. 1904, Burleson College.		Warren, Robert Sumner (Law III)	Tenn.
A.B. 1906, Baylor University.		Waterhouse, Robert Cormack (Law I)	
LL.B. 1911, University of Texas.		B.S. 1930, Carnegie Institute of Technology.	D.C.
Thornton, Joseph Eugene (Law I)	Neb.	†Watson, Kenneth Nicoll (Law, LL.M.)	
A.B. 1928, Nebraska State Teachers' College.		A.B. 1928; LL.B. 1930, The George Washington University.	Md.
Tillema, John Albert (Law, LL.M.)	D.C.	Weaver, Margory A. (Law I)	
A.B. 1914, Hope College.		A.B. 1930, The George Washington University.	Ill.
A.M. 1917, University of Michigan.		Weber, Joe (Law I)	S.D.
Ph.D. 1924, Washington University.		E.E. 1928, University of Cincinnati.	N.I.
LL.B. 1928, The George Washington University.		Weeks, Charles Everett (Law III)	Wn.
Tillotson, John Wallace (Law I)	Ill.	Weeks, George Brightman (Law I)	Pa.
*Titcomb, Oliver Stanley (Law III)	Mass.	Weisbrod, William Gustavus (Law II)	
Tone, George LaRue (Law I)	Pa.	Welles, John Roser (Law I)	Ill.
A.B. 1930, Washington and Jefferson College.		B.S. 1921, LaFayette College.	
*Torrey, Morgan Caywood (Law III)	D.C.	Werlich, Edgar Julius (Law I)	Me.
Toye, Francis Gerald (Law II)	Wash.	M.E. 1930, Cornell University.	
B.S. 1927, Clarkson College of Technology.		West, George Chester (Law III)	Wash.
Tremain, Rawleigh Lewis (Law II)	N.C.	A.B. 1928, Colby College.	
A.B. 1921, Guilford College.		Wesby, George Newton (Law III)	Ark.
A.M. 1926, University of North Carolina.		B.S. 1927, University of Washington.	Mich.
Tritley, O. Edward (Law II)	Neb.	Whately, David Todd (Law I)	Ohio
A.B. 1928, The George Washington University.		Wheaton, Clare Alan (Law III)	Mich.
Truesdell, Henry Palmer (Law I)	N.J.	White, Maude Ellen (Law II)	
C.E. 1930, Cornell University.		Whited, Norman Willmer (Law I)	N.J.
Tullar, Irving Meredith (Law III)	Ill.	B.S. 1914, Bucknell University.	D.C.
A.B. 1915, Albion College.		Wick, John Borden (Law III)	
A.M. 1916, Columbia University.		Wight, Donald Miller (Law II)	
		M.E. 1930, Lehigh University.	

Wiles, William Gilbert (Law 1) B.S. 1923, The George Washington University.	D.C.	Woodcock, Virgil Eldon (Law III) B.S. 1927, Oregon State Agricultural College.	D.C.
Wilkinson, Thomas Nesbitt, jr. (Law II) A.B. 1926, University of Richmond.	N.M.	*Woodruff, Ralph Waldo (Law III) A.B. 1920; A.M. 1921, Susquehanna University.	Pa.
Willard, William Bradley (Law 1) A.B. 1926, Dartmouth College.	D.C.	†Woods, Edwin Kirby (Law 1) B.S. 1910, University of California.	Calif.
†Williams, Alton (Law 1) Williams, Frank Tatom (Law 1) A.B. 1924; A.M. 1925, University of Mississippi.	Ark. Miss.	Woolf, Edward Magruder (Law III) †Wooten, Herbert Lane (Law 1) Worsley, L. Elsha (Law 1) Wright, James Warren (Law 1) A.B. 1922, Ohio Wesleyan University. A.M. 1923, Ohio State University.	D.C. D.C. N.C. Ohio
A.M. 1928, University of North Carolina.		Wright, Lawrence Carter (Law III) A.B. 1927, University of Mississippi.	Miss.
†Williams, Robert Manning (Law 1) Willis, Mary May (Law 1) B.S. 1929, American University.	Okla. Ind.	Wulbern, Julian Henry (Law 1) B.S. 1923, The Citadel.	S.C.
Willner, Warren Hall (Law II) A.B. 1928, The George Washington University.	D.C.	Wyhe, Ben Montgomery (Law 1) A.B. 1911, Southwestern University.	Tex.
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†Wilson, Lee Roy (Law III) Windsor, Norma (Law 1) A.B. 1929, The George Washington University.	Ky. D.C.	Young, Truman Richards (Law II) Young, Walter Hopkins (Law 1) A.B. 1924, Ohio Wesleyan University.	Utah D.C.
Windsor, Paulina (Law II) Wise, William Harvey (Law II) Wisehart, Harold H. (Law 1) Wobensmith, Zachary Taylor, II (Law, LL.M.)	D.C. D.C. Ind.	†Younger, Donald L. (Law II) Zangwill, Bernard Louis (Law II) B.S. 1929; M.S. 1929, Massachusetts Institute of Technology.	Calif. D.C.
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†Wolfe, Richard Russell (Law 1) B.S. 1929; M.S. 1930, Massachusetts Institute of Technology.	Mo.		

SUMMARIES OF REGISTRATION

1930-31

NUMBER OF REGISTRATIONS

Candidates for the degree of Bachelor of Laws:	350
First year.....	285
Second year.....	194
Third year.....	83
Total.....	12
Candidates for the degree of Master of Laws.....	847
Total candidates for degrees.....	13
Unclassified students.....	9
Special students.....	869
Total, all students.....	488
Candidates for degree of Bachelor of Laws who are college graduates.....	55.4
Percentage.....	

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama.....	11	New Jersey.....	19
Arizona.....	1	New Mexico.....	2
Arkansas.....	12	Nevada.....	40
California.....	16	New York.....	9
Colorado.....	5	North Carolina.....	5
Connecticut.....	9	North Dakota.....	30
Delaware.....	6	Ohio.....	12
District of Columbia.....	202	Oklahoma.....	6
Florida.....	8	Oregon.....	50
Georgia.....	14	Pennsylvania.....	4
Idaho.....	13	Rhode Island.....	4
Illinois.....	34	South Carolina.....	6
Indiana.....	27	South Dakota.....	8
Iowa.....	18	Tennessee.....	18
Kansas.....	6	Texas.....	49
Kentucky.....	12	Utah.....	4
Louisiana.....	4	Vermont.....	38
Maine.....	11	Virginia.....	9
Maryland.....	32	Washington.....	18
Massachusetts.....	22	West Virginia.....	8
Michigan.....	16	Wisconsin.....	2
Minnesota.....	11	Wyoming.....	2
Mississippi.....	4	Hawaii.....	3
Missouri.....	8	Philippine Islands.....	1
Montana.....	3	Porto Rico.....	869
Nebraska.....	10		
New Hampshire.....	3		
		Total.....	

GRADUATES OF COLLEGES REGISTERED IN THE LAW SCHOOL

Alabama Polytechnic Institute....	3	Grinnell College.....	1
Alabama, University of.....	2	Guilford College.....	1
Albion College.....	2	Harvard University.....	8
Allegheny College.....	1	Hawaii, University of.....	1
American University.....	3	Heidelberg University.....	1
Amherst College.....	1	Hillsdale College.....	2
Antioch College.....	1	Hope College.....	1
Arkansas, University of.....	8	Idaho, University of.....	8
Armour Institute of Technology..	2	Illinois, University of.....	9
Baylor University.....	1	Indiana State Teachers' College..	1
Berea College.....	1	Indiana, University of.....	2
Berlin University, Germany.....	1	Iowa State College of Agriculture and Mechanics.....	1
Birmingham Southern College....	1	Iowa State University.....	2
Bowdoin College.....	3	Johns Hopkins University.....	3
Bradley Polytechnic Institute....	1	Juniata College.....	1
Brown University.....	1	Kalamazoo College.....	1
Bucknell University.....	3	Kansas State Agricultural College..	2
Buffalo, University of.....	1	Kentucky, University of.....	3
Burleson College.....	1	Kentucky Wesleyan University...	1
Butler University.....	1	La Fayette College.....	2
California, University of.....	7	Lehigh University.....	6
Carnegie Institute of Technology..	10	Lincoln Memorial University.....	1
Case School of Applied Science....	4	Maine, University of.....	7
Catholic University of America...	1	Marshall College.....	1
Chicago, University of.....	3	Maryland, University of.....	16
Cincinnati, University of.....	1	Maryville College.....	1
Citadel-South Carolina Military College.....	2	Massachusetts Institute of Tech- nology.....	12
Clarkson College of Technology..	3	Miami University.....	2
Coe College.....	1	Michigan State College.....	1
Colby College.....	1	Michigan, University of.....	11
College of the City of New York..	1	Middlebury College.....	1
Colorado, University of.....	4	Minnesota, University of.....	3
Columbia University.....	4	Mississippi College.....	2
Cornell University.....	14	Mt. Holyoke College.....	1
Creighton, University of.....	1	Nebraska, University of.....	5
Dakota Wesleyan University.....	1	Nebraska Wesleyan University....	1
Dartmouth College.....	5	New Mexico, University of.....	1
Davidson College.....	2	Nevada, University of.....	1
Davis and Elkins College.....	1	New Jersey College for Women...	1
Delaware, University of.....	4	New York University.....	2
Dickinson College.....	3	North Carolina, University of....	2
Drexel Institute.....	1	North Dakota, University of.....	1
Drury College.....	3	Northwestern University.....	1
Duke University.....	4	Norwich University.....	1
Earlham College.....	1	Ohio State University.....	4
Emory University.....	3	Ohio Wesleyan University.....	4
Florida, University of.....	1	Oklahoma, University of.....	1
Furman University.....	1	Oregon State Agricultural College..	4
Georgetown College.....	1	Oregon, University of.....	2
Georgetown University.....	4	Otterbein College.....	1
George Washington University....	83	Ouachita College.....	1
Georgia Institute of Technology..	3	Pennsylvania State College.....	5
Goucher College.....	1		

Pennsylvania, University of.....	5	Utah, State Agricultural College of.....	4
Pittsburgh, University of.....	2	Utah, University of.....	16
Pomona College.....	1	Vanderbilt University.....	2
Porto Rico, University of.....	1	Vassar College.....	1
Princeton University.....	8	Vermont, University of.....	1
Purdue University.....	6	Virginia Military Institute.....	2
Randolph Macon Women's College.....	1	Virginia Polytechnic Institute.....	1
Rensselaer Polytechnic Institute.....	10	Virginia, University of.....	4
Richmond, University of.....	2	Wabash College.....	3
Roanoke College.....	2	Wake Forest College.....	1
Rose Polytechnic Institute.....	2	Washington and Jefferson College.....	1
St. John's College.....	2	Washington and Lee University.....	2
Salem College.....	1	Washington University.....	1
Simmons University.....	1	Washington, University of.....	1
Smith College.....	2	Wesleyan University.....	1
South Dakota, University of.....	1	West Texas State Teachers' College.....	1
Southern California, University of.....	1	West Virginia University.....	5
Southwestern University.....	1	West Virginia Wesleyan University.....	3
Stanford University.....	3	Whitman College.....	1
State Normal School and Teachers' College, Wayne, Nebraska.....	1	William and Mary, College of.....	3
Stevens Institute of Technology.....	2	Williams College.....	1
Susquehanna University.....	1	Wilson College.....	3
Swarthmore College.....	2	Wisconsin, University of.....	4
Syracuse University.....	1	Worcester Polytechnic Institute.....	5
Texas, Agricultural and Mechanical College of.....	2	Yale University.....	5
Texas, University of.....	4		
Toledo, University of the City of.....	1		
Trinity College.....	2		
Tufts College.....	1		
U. S. Naval Academy.....	23		
		Total.....	533
		Counted more than once.....	26
		Number of college graduates.....	507
		Number of colleges represented.....	160

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THE SCHOOL OF MEDICINE
1931-32

THE
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CALENDAR OF THE SCHOOL OF MEDICINE

1931-32

Date	Days	Occasion
<i>1931:</i>		
September 14-19....	Monday to Saturday, both dates inclusive.	Pre-session examinations
September 23.....	Wednesday.....	The academic year begins
September 26.....	Saturday.....	Last day for late registration
October 21.....	Wednesday.....	Fall Convocation
November 26-28....	Thursday to Satur- day, both dates in- clusive.	Thanksgiving recess
December 19.....	Saturday.....	First trimester ends
December 21-Janu- ary 2.	Monday to Saturday, both dates inclusive.	Christmas recess
<i>1932:</i>		
January 4.....	Monday.....	Second trimester begins
February 22.....	Monday.....	Mid-winter Convocation. Holi- day
March 12.....	Saturday.....	Second trimester ends
March 14.....	Monday.....	Third trimester begins
March 28-April 2..	Monday to Saturday, both dates inclusive.	Easter recess
May 17-28.....	Tuesday to Saturday, both dates inclusive.	Final-examination period
May 30.....	Monday.....	Decoration Day. Holiday
June 12.....	Sunday.....	Baccalaureate Sermon
June 15.....	Wednesday.....	Commencement

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The Board of Trustees of the University is comprised of the President of the University, ex officio, and the following persons by election:

1932

- *Avery DeLano Andrews, LL.B., 440 Park Avenue, New York City.
- Clarence Aikin Aspinwall, 1140 Fifteenth Street.
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- Norval Landon Burchell, A.M., LL.M., 817-19 Fourteenth Street.
- Karl William Corby, B.S., Hibbs Building.
- *Harry Cassell Davis, A.M., L.H.D., 1444 W Street.
- Charles William Gerstenberg, LL.B., 70 Fifth Avenue, New York City.
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- Alfred Henry Lawson, LL.B., Washington Loan and Trust Company.
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- John Barton Payne, LL.D., 1601 Eye Street.
- Charles Harries Woodhull, 1767 Massachusetts Avenue.

1934

- John Henry Cowles, 1733 Sixteenth Street.
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- Julius Garfinckel, Fourteenth and F Streets.
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* Nominated by the alumni.

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Arthur Peter, LL.B., Washington Loan and Trust Building.

Mrs. Henry Alvah Strong, The Mayflower.

Merle Thorpe, A.B., U. S. Chamber of Commerce Building.

*Alfred Adams Wheat, A.B., LL.B., LL.D., District Court House.

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Secretary of the Board of Trustees

Harry Cassell Davis

* Nominated by the alumni.

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Charles Wendell Holmes, *Comptroller of the University.*
Harold Griffith Sutton, M.S., *Director of Admissions.*
*Alfred Francis William Schmidt, A.M., *Librarian of the University.*
Fred Everett Nessell, A.B., *Registrar of the University.*
Robert Whitney Bolwell, Ph.D., *Dean of the Summer Sessions.*
Vinnie Giffen Barrows, A.B., *Director of Women's Personnel Guidance.*
Daniel LeRay Borden, A.M., M.D., *Director of Health Administration.*
Alan Thomas Deibert, A.M., *Adviser to Students from Foreign Countries.*
John Russell Mason, A.M., *Acting Librarian of the University.*

THE SCHOOL OF MEDICINE

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Oscar Benwood Hunter, A.M., M.D., *Assistant Dean in the School of Medicine; in charge of the Hospital Division.*
Walter Andrew Bloedorn, A.M., M.D., *Assistant Dean in the School of Medicine; in charge of the Clinical Division.*
Joseph Hiram Roe, Ph.D., *Assistant Dean in the School of Medicine; in charge of the Preclinical Division.*
Frank Adelbert Hornaday, M.S., M.D., *Evaluator of Credentials.*
James Holmes Defandorf, A.M., *Assistant Evaluator of Credentials.*
Anna Elizabeth Sellner, *Recorder for Medical Registration.*

*On sabbatical leave 1931-32.

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COURSEN BAXTER CONKLIN, A.M., M.D., <i>Professor of Physical Diagnosis.</i>	1500 Crittenden St.
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GEORGE WILLIAM CRESWELL, A.B., M.D., <i>Clinical Instructor in Medicine.</i>	1620 R St.

JERRY KEITH CROMER, M.D., <i>Clinical Instructor in Medicine.</i>	Gallinger Hospital.
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WILLIAM DULANEY MONROE, JR., D.D.S., <i>Clinical Instructor in Oral Surgery.</i>	5 Montrose Ave., Garrett Park, Md.
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THOMAS EDWIN NEILL, M.D., <i>Clinical Professor of Gynecology.</i>	2810 35th St.
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MARGARET MARY NICHOLSON, A.B., M.D., <i>Instructor in Pediatrics.</i>	1000 Maryland Ave.
AARON NIMETZ, A.B., M.D., <i>Clinical Instructor in Pediatrics.</i>	702 Farragut St.
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Fred August Moss, Ph.D., M.D., *Clinical Professor of Neuro-psychiatry.*
Paul Sterling Putzki, M.D., *Clinical Professor of Surgery.*
John Alton Reed, A.B., M.D., *Clinical Professor of Medicine.*
Arch Lockhart Riddick, A.B., M.D., *Clinical Professor of Surgery.*
Guy Whitman Leadbetter, B.S., M.D., *Clinical Professor of Surgery.*
William Warren Sager, M.S., M.D., *Clinical Professor of Surgery.*
Karl H. Langenstrass, M.D., *Professorial Lecturer on Neuro-pathology.*
James Holmes Defendorf, A.M., *Associate Professor of Pharmacology.*
Oliver John Irish, M.S., *Associate Professor of Biochemistry.*
George Joseph Brilmyer, M.S., M.D., *Associate Professor of Pathology.*
William Binford King, A.M., M.D., *Associate Professor of Anatomy.*
Othmar Charles Solnitzky, Ph.D., M.D., *Associate Professor of Anatomy.*
Roger Morrison Choisser, B.S., M.D., *Associate Professor of Bacteriology
and Pathology.*
Harold Albert Craft, M.S., *Assistant Professor of Biochemistry.*
Leon Stuart Gordon, A.M., M.D., *Assistant Professor of Pathology.*
Otto Nellis Warner, M.D., *Associate in Anesthesia.*
Harry Saul Bernton, A.B., M.D., *Associate in Medicine.*
Watson William Eldridge, M.D., *Associate in Medicine.*

- Preston Alexander McLendon, B.S., M.D., *Associate in Pediatrics.*
Ralph Stevens Pendexter, LL.B., M.D., *Associate in Ophthalmology.*
John Hugh Lyons, M.S., M.D., *Associate in Surgery.*
Francis George Speidel, M.D., *Associate in Anesthesia.*
Paul J. Ewerhardt, M.D., *Associate in Psychiatry.*
John Edward Lind, M.D., *Associate in Psychiatry.*
Harriet Elizabeth Twombly, A.B., M.D., *Associate in Psychiatry.*
Robert Joseph Bosworth, M.D., *Associate in Physiology.*
Everett Monroe Ellison, Ph.D., M.D., *Clinical Associate in Medicine.*
Edward Lewis, M.D., *Clinical Associate in Pediatrics.*
John Minor, A.B., M.D., *Clinical Associate in Medicine.*
Herbert Hermann Schoenfeld, M.D., *Clinical Associate in Surgery.*
Henry Lauran Darner, A.B., M.D., *Clinical Associate in Gynecology.*
Harry Ford Anderson, M.D., *Clinical Associate in Dermatology.*
Archibald Barklie Coulter, A.B., M.D., *Clinical Associate in Medicine.*
Harold Walter Krogh, D.D.S., *Clinical Associate in Dental Surgery.*
Lyle Millan Mason, M.D., *Clinical Associate in Urology.*
Maurice Protas, A.B., M.D., *Clinical Associate in Medicine.*
Isaac Silverman, M.D., *Clinical Associate in Psychiatry.*
Herman Solomon Hoffman, A.B., M.D., *Clinical Associate in Medicine.*
James Alexander Lyon, M.D., *Clinical Associate in Medicine.*
John Paul Earnest, jr., A.B., M.D., *Lecturer on Medical Jurisprudence.*
Grafton Tyler Brown, B.S., M.D., *Lecturer on Allergy.*
Jesse Thomas Mann, M.D., *Instructor in Anesthesia.*
William Franklin Sheridan, A.B., *Instructor in Pathology.*
Edward Ballard Brooks, M.D., *Instructor in Pediatrics.*
Joseph Kreiselman, M.D., *Instructor in Anesthesia.*
Eugene Lyman LeMerle, D.D.S., M.D., *Instructor in Anesthesia.*
Joseph Harris, A.B., M.D., *Instructor in Obstetrics.*
Charles Rosenberg, M.S., *Instructor in Bacteriology.*
George Dewey, M.D., *Instructor in Physical Diagnosis.*
William LeRoy Dunn, A.M., M.D., *Instructor in Physical Diagnosis.*
Margaret Mary Nicholson, A.B., M.D., *Instructor in Pediatrics.*
Philip O. Pelland, M.D., *Instructor in Surgery.*
William Francis Simpson, B.S., *Instructor in Bacteriology.*
John Ogle Warfield, jr., A.M., M.D., *Instructor in Surgery.*
Myron C. Waddell, M.S., *Instructor in Anatomy.*

- Virgil B. Jackson, M.D., *Clinical Instructor in Gynecology.*
 Boyce Richardson Bolton, M.D., *Clinical Instructor in Otolaryngology.*
 Charles Berger Campbell, Phar.D., M.D., *Clinical Instructor in Dermatology.*
 Frank Louis Williman, B.S., M.D., *Clinical Instructor in Medicine.*
 Benjamin Franklin Dean, jr., M.D., *Clinical Instructor in Surgery.*
 Richard Laurens DeSaussure, M.D., *Clinical Instructor in Otolaryngology.*
 James McNellidge Fadeley, M.D., *Clinical Instructor in Urology.*
 William Dennis Goodman, M.D., *Clinical Instructor in Urology.*
 Edward Richard Gookin, M.D., *Clinical Instructor in Ophthalmology.*
 Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery.*
 Myer Jerome Herschman, M.D., *Clinical Instructor in Urology.*
 Helen Gladys Kain, B.S., M.D., *Clinical Instructor in Gynecology.*
 Herman Eugene Kittredge, M.D., *Clinical Instructor in Dermatology.*
 Daniel Bruce Moffett, A.B., M.D., *Clinical Instructor in Otolaryngology.*
 Benjamin Newhouse, M.D., *Clinical Instructor in Urology.*
 George Nordlinger, A.B., M.D., *Clinical Instructor in Obstetrics.*
 Hyman David Shapiro, M.D., *Clinical Instructor in Medicine.*
 LeRoy Lee Sawyer, jr., A.B., M.D., *Clinical Instructor in Otolaryngology.*
 Laurence Lee Cockerille, M.D., *Clinical Instructor in Obstetrics.*
 David Davis, A.B., M.D., *Clinical Instructor in Bronchoscopy.*
 Aubrey David Fischer, M.D., *Clinical Instructor in Otolaryngology.*
 Edward Jacob Grass, A.B., M.D., *Clinical Instructor in Medicine.*
 James Houston Hawfield, M.D., *Clinical Instructor in Surgery.*
 Bernard Lipscomb Jarman, M.D., *Clinical Instructor in Otolaryngology.*
 Henry John Russell McNitt, B.S., M.D., *Clinical Instructor in Obstetrics.*
 Herbert Percy Ramsey, A.B., M.D., *Clinical Instructor in Gynecology.*
 Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery.*
 William Raymond Thomas, M.D., *Clinical Instructor in Obstetrics.*
 George William Creswell, A.B., M.D., *Clinical Instructor in Medicine.*
 Don R. Johnson, LL.B., M.D., *Clinical Instructor in Otolaryngology.*
 Don Sweet Knowlton, B.S., M.D., *Clinical Instructor in Otolaryngology.*
 Frank Marks McChesney, M.D., *Clinical Instructor in Anesthesia.*
 Edward Bailey Macon, M.D., *Clinical Instructor in Anesthesia.*
 Nicholas Athanasiou Mandelos, M.D., *Clinical Instructor in Medicine.*
 Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Gynecology.*
 Aaron Nimetz, A.B., M.D., *Clinical Instructor in Pediatrics.*
 Bernard Notes, M.D., *Clinical Instructor in Obstetrics.*

- Miles Parker Omohundro, M.D., *Clinical Instructor in Urology.*
Charles Aurelius Schutz, M.D., *Clinical Instructor in Pediatrics.*
Howard Lee Smith, M.D., *Clinical Instructor in Surgery.*
Katharine Godfrey Symmonds, A.B., M.D., *Clinical Instructor in Pediatrics.*
Richard Knight Thompson, D.D.S., *Clinical Instructor in Dental Surgery.*
Thomas Carlton Thompson, B.S., M.D., *Clinical Instructor in Urology.*
Norvell Belt, A.B., M.D., *Clinical Instructor in Medicine.*
Charles Louis Billard, M.D., *Clinical Instructor in Ophthalmology.*
William Thompson Burch, M.D., *Clinical Instructor in Bronchoscopy.*
Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery.*
Alan Jeffries Chenery, M.D., *Clinical Instructor in Urology.*
Elizabeth Emery Chickering, M.D., *Clinical Instructor in Anesthesia.*
Hazen Eugene Cole, M.D., *Clinical Instructor in Surgery.*
Harry Friedenber, A.B., M.D., *Clinical Instructor in Physical Diagnosis.*
Frank Edward Gantz, M.D., *Clinical Instructor in Gynecology.*
William Preston Haynes, A.B., M.D., *Clinical Instructor in Obstetrics.*
Clayton Howard Hixson, M.D., *Clinical Instructor in Obstetrics.*
Harry Kaplan, D.D.S., *Clinical Instructor in Dental Surgery.*
Raphael Manganaro, B.S., M.D., *Clinical Instructor in Medicine.*
Joseph Ernest Mitchell, M.D., *Clinical Instructor in Urology.*
George Victor Simpson, M.D., *Clinical Instructor in Ophthalmology.*
Emil Henry Sloan, D.D.S., *Clinical Instructor in Dental Surgery.*
James Alexander Smart, M.D., *Clinical Instructor in Otolaryngology.*
William J. Snow, B.S., M.D., *Clinical Instructor in Ophthalmology.*
Xaverius Charles Suraci, M.D., *Clinical Instructor in Anesthesia.*
E. Osmun Barr, M.D., *Clinical Instructor in Surgery.*
Frederick Leslie Benton, A.M., M.D., Sc.D., *Clinical Instructor in Ophthalmology.*
Irving Brotman, M.D., *Clinical Instructor in Medicine.*
Elliott Muse Campbell, M.D., *Clinical Instructor in Surgery.*
William Wiley Chase, A.B., M.D., *Clinical Instructor in Surgery.*
Jerry Keith Cromer, M.D., *Clinical Instructor in Medicine.*
John Carl Eckhardt, M.D., *Clinical Instructor in Pediatrics.*
Edmund Murdaugh Ellerson, M.D., *Clinical Instructor in Obstetrics.*
Daniel Leo Finucane, B.S., M.D., *Clinical Instructor in Medicine.*
Frederick Coleman Fishback, M.D., *Clinical Instructor in Surgery.*
Stuart Oliver Foster, A.B., M.D., *Clinical Instructor in Medicine.*
Vincent Clarence Gould, M.D., *Clinical Instructor in Medicine.*

Robert Howe Harmon, A.B., M.D., *Clinical Instructor in Medicine.*
 Valentine Martin Hess, M.D., *Clinical Instructor in Surgery.*
 Alec Horwitz, M.S., M.D., *Clinical Instructor in Surgery.*
 Charles Perry Howze, M.D., *Clinical Instructor in Urology.*
 Russel Jon Jansen, M.D., *Clinical Instructor in Obstetrics.*
 Wilford Nephi Johannessen, D.D.S., *Clinical Instructor in Dental Surgery.*
 Harry Arnold Hull McNitt, A.M., M.D., *Clinical Instructor in Medicine.*
 William Dulaney Monroe, jr., D.D.S., *Clinical Instructor in Oral Surgery.*
 Julius S. Neviaser, A.B., M.D., *Clinical Instructor in Orthopedic Surgery.*
 George Harrison Nixon, M.S., M.D., *Clinical Instructor in Medicine.*
 Gilbert Ottenberg, M.D., *Clinical Instructor in Urology.*
 Winifred Richmond, Ph.D., M.D., *Clinical Instructor in Psychiatry.*
 Ernest Alfred Watson Sheppard, M.D.C.M., *Clinical Instructor in Ophthalmology.*
 Walter Raymond Stokes, LL.B., M.D., *Clinical Instructor in Surgery.*
 Samuel Ross Taggart, M.D., *Clinical Instructor in Surgery.*
 Lyman Brooks Tibbets, Phar.D., M.D., *Clinical Instructor in Otolaryngology.*
 John H. Trinder, M.D., *Clinical Instructor in Otolaryngology.*
 Marvin McDugald McLean, M.D., *Clinical Instructor in Medicine.*
 James Hiram Rolls, M.D., *Clinical Instructor in Medicine.*

THE STAFF OF THE GEORGE WASHINGTON UNIVERSITY HOSPITAL AND DISPENSARY

COMMITTEES

EXECUTIVE COMMITTEE

Oscar Benwood Hunter, M.D., *Chairman*
 Walter Andrew Bloedorn, M.D. William Johnston Mallory, M.D.
 Huron Willis Lawson, M.D. Charles Stanley White, M.D.
 Anna Elizabeth Sellner, *Secretary to the Committee*

ADVISORY COMMITTEE

Oscar Benwood Hunter, M.D., *Chairman*
 Walter Andrew Bloedorn, M.D. William Johnston Mallory, M.D.
 Huron Willis Lawson, M.D. Joseph Hiram Roe, Ph.D.
 Charles Stanley White, M.D.

HOSPITAL DIVISION

CONSULTANTS

Sterling Ruffin, M.D., *Medicine.*
Francis Randall Hagner, M.D., *Urology.*
Harry Hampton Donnally, M.D., *Pediatrics.*
Harry Hyland Kerr, M.D., *Neuro-surgery.*
Walter Andrew Bloedorn, M.D., *Medicine.*

DEPARTMENT OF MEDICINE

GENERAL MEDICINE

William Johnston Mallory, M.D., *Chief of Medical Staff.*
Frank Adelbert Hornaday, M.D., *Visiting Physician.*
John Alton Reed, M.D., *Visiting Physician.*
Leslie Tracy Gager, M.D., *Visiting Physician.*
Hyman David Shapiro, M.D., *Visiting Physician.*
Harry Arnold Hull McNitt, M.D., *Associate Visiting Physician.*
Herman Solomon Hoffman, M.D., *Associate Visiting Physician.*
Nicholas Athanasiou Mandelos, M.D., *Associate Visiting Physician.*
Maurice Protas, M.D., *Associate Visiting Physician.*

DERMATOLOGY

Charles Augustus Simpson, M.D., *Dermatologist.*
Charles Berger Campbell, M.D., *Associate Dermatologist.*

SYPHILOLOGY

Charles Robert Lee Halley, M.D., *Visiting Physician.*

NEURO-PSYCHIATRY

Walter Freeman, M.D., *Neuro-pathologist.*

DEPARTMENT OF SURGERY

GENERAL SURGERY

Charles Stanley White, M.D., *Executive Officer.*

Daniel LeRay Borden, M.D., *Visiting Surgeon.*
Paul Sterling Putzki, M.D., *Visiting Surgeon.*
Arch Lockhart Riddick, M.D., *Visiting Surgeon.*
William Warren Sager, M.D., *Visiting Surgeon.*
Frederick Coleman Fishback, M.D., *Associate Visiting Surgeon.*
Howard Lee Smith, M.D., *Associate Visiting Surgeon.*
William Wiley Chase, M.D., *Associate Visiting Surgeon.*
Alec Horwitz, M.D., *Associate Visiting Surgeon.*

UROLOGY

Frederick August Reuter, M.D., *Visiting Urologist.*
Lyle Millan Mason, M.D., *Associate Visiting Urologist.*
Thomas Carlton Thompson, M.D., *Associate Visiting Urologist.*
Miles Parker Omohundro, M.D., *Associate Visiting Urologist.*
Charles Perry Howze, M.D., *Associate Visiting Urologist.*

ORTHOPEDICS

Custis Lee Hall, M.D., *Visiting Orthopedist.*
Guy Whitman Leadbetter, M.D., *Visiting Orthopedist.*
Philip O. Pelland, M.D., *Associate Visiting Orthopedist.*

OPHTHALMOLOGY

William Thornwall Davis, M.D., *Visiting Ophthalmologist.*
Ralph Stevens Pendexter, M.D., *Associate Visiting Ophthalmologist.*
Edward Richard Gookin, M.D., *Associate Visiting Ophthalmologist.*
Frederick Leslie Benton, M.D., *Associate Visiting Ophthalmologist.*

OTOLARYNGOLOGY

Albert Perkins Tibbets, M.D., *Visiting Surgeon.*
Don R. Johnson, M.D., *Associate Visiting Surgeon.*
Aubrey David Fischer, M.D., *Associate Visiting Surgeon.*
Don Sweet Knowlton, M.D., *Associate Visiting Surgeon.*

NEURO-SURGERY

John Joseph Shugrue, M.D., *Visiting Surgeon.*
Herbert Hermann Schoenfeld, M.D., *Associate Visiting Surgeon.*

BRONCHOSCOPY

David Davis, M.D., *Visiting Surgeon.*
William Thompson Burch, M.D., *Associate Visiting Surgeon.*

PROCTOLOGY

Benjamin Franklin Dean, jr., M.D., *Visiting Surgeon.*

ANESTHESIA

Cline N. Chipman, M.D., *Visiting Anesthetist.*
Charles Wilbur Hyde, M.D., *Associate Visiting Anesthetist.*
Francis George Speidel, M.D., *Associate Visiting Anesthetist.*

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Huron Willis Lawson, M.D., *Executive Officer.*
Howard Francis Kane, M.D., *Visiting Obstetrician.*
William Preston Haynes, M.D., *Visiting Obstetrician.*
Elijah White Titus, M.D., *Visiting Gynecologist.*
Jacob Kotz, M.D., *Visiting Gynecologist.*
Bernard Notes, M.D., *Associate Visiting Obstetrician.*
William Raymond Thomas, M.D., *Associate Visiting Obstetrician.*
Herbert Percy Ramsey, M.D., *Associate Visiting Gynecologist.*
Henry John Russell McNitt, M.D., *Associate Visiting Gynecologist.*

DENTISTRY

Harold Walter Krogh, D.D.S., *Visiting Dental Surgeon.*
Richard Knight Thompson, D.D.S., *Associate Visiting Dental Surgeon.*

UNASSIGNED STAFF, 1930-31

John Paul Earnest, jr., M.D., *General Medicine.*
Homer Gifford Fuller, M.D., *Urology.*
William LeRoy Dunn, M.D., *General Medicine.*

LABORATORIES

ROENTGENOLOGY

Claude Moore, M.D., *Roentgenologist.*

PATHOLOGY AND BACTERIOLOGY

Oscar Benwood Hunter, M.D., *Pathologist.*
Roger Morrison Choisser, M.D., *Associate Pathologist.*
George Joseph Brilmyer, M.D., *Associate Pathologist.*
Leon Stuart Gordon, M.D., *Associate Pathologist.*

PHYSIOLOGY

Leslie Howson French, M.D., *Physiologist.*

CHEMISTRY

Joseph Hiram Roe, Ph.D., *Chemist.*
Oliver John Irish, M.S., *Associate Chemist.*
Harold Albert Craft, M.S., *Associate Chemist.*

LABORATORY TECHNICIANS

William Franklin Sheridan

Mattie Pinney

SCHOOL OF NURSING

Ella Ida Gibson, R.N., *Superintendent of Nurses.*
Melissa Ervilla Chamberlain, R.N., *Assistant Superintendent of Nurses.*
Lucille C. Brunner, R.N., *Practical Instructor.*
Eleanor Morrow Schwinn, R.N., *Operating Room Supervisor.*
Helen Courtrite, R.N., *Obstetrical Supervisor.*
Edna Roberta Sprecher, R.N., *Ward Supervisor.*
Cymbeline Marie Hammell, R.N., *Ward Supervisor.*
Anne L. Reisinger, R.N., *Ward Supervisor.*
Margaret McGowan, R.N., *Night Supervisor.*
Helen Pauline Swanson, *Stenographer-Clerk.*

RESIDENT STAFF

Charles W. Rodgers, Jr. M.D., *Resident Physician.*
Harry K. Fortgang, M.D., *Intern.*
Harry S. Weitzman, M.D., *Intern.*
Fofu Metzitis, M.D., *Intern.*

HOSPITAL STAFF CONFERENCES

Charles Stanley White, M.D., *Chairman.*Charles Rodgers, Jr., M.D., *Secretary.*

ADMINISTRATION

Jason David Byers, *Superintendent of the Hospital.*Elizabeth Lindsey Miller, *Secretary to the Superintendent.*Margaret Scruggs French, *Record Librarian.*C. Etta Nichols, *Cashier-Bookkeeper.*Anna L. Gall, *Assistant Cashier-Bookkeeper.*Mervin W. Glover, *Clerk.*Martha W. Long, *Housekeeper.*Mary E. Young, *Nurses' Home Matron.*

TECHNICAL ASSISTANTS

Mary Holden Philbrick, *Dietitian.*Ethel Jane Theis, A.B., *Assistant Dietitian.*Henry Parker Hill, Phar.D., *Pharmacist.*

DISPENSARY DIVISION

John Alton Reed, M.D., *Director of the Dispensary.*Herman Solomon Hoffman, M.D., *Assistant Director of the Dispensary.*Mary Elizabeth Lewallen, *Dispensary Clerk.*

DEPARTMENT OF MEDICINE

Herman Solomon Hoffman, M.D.

Frank Louis Williman, M.D.

Everett Monroe Ellison, M.D.

Maurice Protas, M.D.

Nicholas Mandelos, M.D.

Harry Arnold Hull McNitt, M.D.

Vincent Clarence Gould, M.D.

Stuart Oliver Foster, M.D.

Robert Howe Harmon, M.D.

DIABETES

Frank Adelbert Hornaday, M.D.

Maurice Protas, M.D.

GASTRO-ENTEROLOGY

Harry Friedenberg, M.D.

CARDIOLOGY

Leslie Tracy Gager, M.D.

NEURO-PSYCHIATRY

Hyman David Shapiro, M.D.

DERMATOLOGY

Charles Berger Campbell, M.D.

SYPHILOLOGY

Charles Robert Lee Halley, M.D. George William Creswell, M.D.

DEPARTMENT OF SURGERY

GENERAL SURGERY

Stewart Maxwell Grayson, M.D. Howard Lee Smith, M.D.
Frank Edward Gantz, M.D. William Wiley Chase, M.D.
Frederick Coleman Fishback, M.D. Alec Horwitz, M.D.
Samuel Ross Taggart, M.D.

UROLOGY

Frederick August Reuter, M.D. Miles Parker Omohundro, M.D.
Lyle Millan Mason, M.D. Charles Perry Howze, M.D.
Thomas Carlton Thompson, M.D. Gilbert Ottenberg, M.D.
Walter Raymond Stokes, M.D.

ORTHOPEDICS

Philip O. Pelland, M.D.

OTOLARYNGOLOGY

Albert Perkins Tibbets, M.D. Don R. Johnson, M.D.
Richard Laurens DeSaussure, M.D. John H. Trinder, M.D.

BRONCHOSCOPY

David Davis, M.D. William Thompson Burch, M.D.

PROCTOLOGY

Benjamin Franklin Dean, jr., M.D.

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Henry John Russell McNitt, M.D.

Esther Alsylvia Nathanson, M.D.

Bernard Notes, M.D.

Herbert Percy Ramsey, M.D.

Helen Gladys Kain, M.D.

William Raymond Thomas, M.D.

Clayton Howard Hixson, M.D.

ROENTGENOLOGY

Claude Moore, M.D., *Roentgenologist*

DENTISTRY

Harold Walter Krogh, D.D.S.

Emil Henry Sloan, D.D.S.

Harry Kaplan, D.D.S.

William N. Johannessen, D.D.S.

CLINICAL LABORATORY

George Joseph Brilmyer, M.D.

Mattie Pinney, *Technician*

MEDICAL BUILDING STAFF

Anna Elizabeth Sellner, *Secretary to the Dean.*Oscar Benwood Hunter, A.M., M.D., *Curator of the Museum.*William Franklin Sheridan, A.B., *Assistant Curator.*William Binford King, A.B., M.D., *Librarian.*Katherine Breen, *Assistant Librarian.*Francis Edward Thuney, *Superintendent.*

GENERAL STATEMENT

INTRODUCTORY

HISTORY

The School of Medicine of The George Washington University began in March, 1825. It is the eleventh medical school established in the United States.

In order to increase the facilities for bedside and clinical teaching, the University Hospital and the University Dispensary were established in 1898 and made a part of the organization of the School of Medicine.

EDUCATIONAL STANDING

The School of Medicine of the University is a member of the Association of American Medical Colleges and is one of the medical colleges which

has been designated continuously as "class A" by the American Medical Association. The degrees of the School of Medicine are recognized by all State examining boards. It is one of the medical schools selected by the Secretary of War to maintain a Reserve Officers' Training Corps Unit, and it is accredited for all its work by the Combined (Royal) Medical Examining Boards in England.

LOCATION AND ITS ADVANTAGES

The city of Washington, with more than a half-million inhabitants, provides abundant clinical material. The University Hospital and Dispensary furnish clinical facilities and a large proportion of the materials studied in the courses in Pathology, Clinical Chemistry, and Microscopy.

The Library of the Surgeon General's Office of the United States Army is the most complete general medical library in the world. In addition to its great collections of medical works, all leading medical periodicals of the world are available. This Library, as well as the Library of Congress, the Public Library, and the many excellent libraries of the various Government departments, is open to medical students.

The Army Medical Museum affords opportunity for studying the conditions met in military and general medicine and surgery. Its collection of anatomical and pathological specimens is unequalled by any other museum in this country. The Museum of Hygiene, the National Museum, the Smithsonian Institution, the Botanic Gardens, and the Department of Agriculture, all afford opportunities for study in Medicine and its collateral sciences.

Aside from the special advantages offered for the study of Medicine, the cosmopolitan character of the city of Washington, its mild climate, its beauty, and its broad interests as the seat of the National Government, make it an ideal place for a medical student to pass four years of study.

EQUIPMENT

Medical School Building. The building housing the School of Medicine is a modern, five-story structure with lecture and classrooms, laboratories, and students' rooms, equipped with modern improvements.

Laboratories. The major laboratories are five in number—for Anatomy, Biochemistry and Clinical Chemistry, Histology and Embryology, Physiology and Pharmacology, and Bacteriology and Pathology. They are fully equipped to enable students to pursue adequately the laboratory courses and acquire the technical skill necessary in modern clinical and research work.

Medical Library. The Library, with a librarian in charge, is open for study and reading from 9.00 a.m. to 4.00 p.m. It contains a selected reference collection of 2,500 volumes, and provision is made to add to it

the important new medical works. The standard medical periodicals are regularly received.

For purposes of advanced study and research the Library of the Surgeon General of the Army is available to all students and teachers.

CLINICAL FACILITIES

The University Hospital and the University Dispensary. The Hospital and Dispensary are part of the educational equipment of the University. They are integral parts of the School of Medicine, and are entirely controlled by the Faculty of Medicine, and are used primarily in instructing the students in clinical work. The Dispensary has a large out-patient service in all departments, to which several thousand visits are made annually. The Faculty believes that clinical teaching should be as thoroughly systematized as is the teaching in the laboratories. To this end, all clinics are under the supervision of the Assistant Dean assigned to the Clinical Division. This insures the highest possible utilization of available clinical material for teaching purposes and proper supervision of clinicians and students; it brings the individual student into direct contact with patients and requires him to do under authoritative supervision the clinical and laboratory work necessary for diagnosis and treatment; and it permits proper interpretation of the conditions occurring during the progress of cases and promotes the keeping of adequate records. Clinical and clinicopathological conferences are held in which the history of cases, the physical findings, laboratory records, and the post-mortem pathology when available, are presented and correlated. The Assistant Dean of the Clinical Division assigns the students to the different clinics, supervises the records, the attendance, and the instruction of students. Third-year students are assigned in rotation by sections for clinical instruction in the Dispensary.

Gallinger Municipal Hospital (Municipal Hospital of the District of Columbia). Clinical instruction is available in all branches of Medicine. A great wealth of clinical material is afforded in this hospital by ordinance of the municipal authorities of the District of Columbia, whereby one half of the patients—upwards of a thousand in number—are assigned for treatment and clinical teaching to members of the Faculty of this School, nominated by this University.

Casualty Hospital. Clinical Pathology.

Children's Hospital. Clinical instruction in Pediatrics and General and Orthopedic Surgery.

Emergency Hospital and Central Dispensary. Clinical instruction in Medicine, Surgery—particularly in emergency surgery, fractures and dislocations, Dermatology and Orthopedics.

Garfield Memorial Hospital. Clinical instruction in Medicine, including contagious diseases, Surgery, Gynecology, and Obstetrics.

Providence Hospital. Clinical instruction in Medicine and Surgery.

St. Elizabeth's Hospital. Clinical instruction in mental and nervous diseases, Medicine, Surgery, post-mortem work, and Gross Pathology. This hospital, with four thousand beds, is maintained by the United States Government. The psychiatric clinic is one of the largest in the country.

The Episcopal Eye, Ear, Nose, and Throat Hospital. Clinical instruction in Ophthalmology, Otology, Laryngology, and Rhinology.

Tuberculosis Hospital. Clinical instruction in tuberculosis in all its phases, both medical and surgical.

MEDICAL UNIT, RESERVE OFFICERS' TRAINING CORPS, U. S. ARMY

A Medical Unit of the Reserve Officers' Training Corps is established in this School by authority of the Secretary of War, and an officer of the Medical Corps of the Army is detailed to the University for supervision and instruction of the students in the Unit.

The object of the Reserve Officers' Training Corps is to give to students special training which will fit them to become, upon graduation, officers in the Medical Section of the Reserve Corps of the Army if they so desire. The work of this department is both military and professional, and a great portion of it will be found applicable to civil practice, so that even a graduate who never elects active duty will find value in the time given to the subjects covered.

Membership in the Unit is voluntary and is open to any physically fit male student who is a citizen of the United States. The instruction is divided into two courses, the basic and the advanced. The basic course is given in the first and second years, and the advanced course in the third and fourth years. Students who satisfactorily complete the basic course may, up to the quota allowed by the War Department, and if they choose, enter the advanced course. Students who enter the advanced course receive pay from the Government amounting to approximately \$200.00. They are obligated to complete the course and to attend one summer camp of instruction for six weeks, for which the students will receive travel allowances, pay at the rate of \$21.00 a month, and will be provided with all camp equipment, uniforms, and medical attention. Students who successfully complete the course are recommended for commission in the Medical Section, Officers' Reserve Corps, provided they desire appointment. Selected graduates are given preference in appointment for internship in Army General Hospitals, where they receive pay and allowance of a First Lieutenant of the Medical Corps.

ADMISSION

LEGAL STANDARDS

The laws relating to the preliminary educational qualifications required of physicians differ in many of the States, and candidates are advised that

if they meet the premedical and other requirements of this School they will be able to comply with the legal demands of all State Examining Boards in the United States.

MORAL REQUIREMENTS

All candidates must be of good moral character, and they must present evidence that their college work has been of such standard as to give promise of work of high quality in the medical course.

EDUCATIONAL REQUIREMENTS

The minimum requirements for admission are fifteen units of work from an accredited secondary school, and two years of college work, totaling at least sixty semester-hours, from an accredited college of arts and sciences.

SECONDARY-SCHOOL REQUIREMENTS

Of the fifteen secondary-school units* required, three must be in English, two† in Foreign Language (ancient or modern), one in Algebra, one in Geometry, one in History, and one in Science (Botany, Chemistry, Physics, or Zoology).

Eleven of the units offered must be in English, Foreign Language, Mathematics, Science, and History.

No candidate will be accepted with any condition in secondary-school work.

PREMEDICAL-COLLEGE REQUIREMENTS

1. Chemistry, twelve semester-hours‡ as follows: (a) Eight semester-hours of General Inorganic Chemistry, of which at least four semester-hours are laboratory work. Qualitative Analysis may be counted as General Inorganic Chemistry. (b) Four semester-hours of Organic Chemistry, of which two semester-hours are laboratory work.

2. Physics, eight semester-hours, of which at least two semester-hours are laboratory work. It is recommended that this course be preceded by one in Trigonometry.

3. Biology, eight semester-hours, of which at least four semester-hours are laboratory work. This requirement may be satisfied by a course of eight semester-hours in either General Biology or Zoology, or by a course of four semester-hours each in Zoology and Botany, but not by Botany alone.

* A unit is the credit value of at least thirty-six weeks' work of four or five recitation periods a week, each period to be not less than forty-five minutes.

† Both of the required units of foreign language must be of the same language. Elementary Latin is desirable.

‡ A semester-hour is one hour of lecture or recitation, or at least two hours of laboratory work a week for one-half year or sixteen weeks. If laboratory periods are longer than two hours, their value in semester-hours will be no more than that assigned by the college where the work is taken.

4. English Composition and Literature, six semester-hours. The usual introductory college course, or its equivalent. The student should develop facility in English expression.

5. Modern Foreign Language. A reading knowledge, preferably of French or German.

6. Electives. It is recommended that the remaining semester-hours required include: (a) Comparative Vertebrate Anatomy; (b) Qualitative and Quantitative Chemistry; (c) Social Science and Psychology.

No student will be accepted with any condition in college work.

APPLICATION FOR ADMISSION

1. While no standard form for the statement of premedical credentials is required, a form will be supplied on request. Certificates submitted must give complete information as to the number of semester or quarter and actual didactic and laboratory hours taken in each subject, the year in which the subject was pursued, and the grade received in each. Forms for secondary-school and college work will be furnished on request.

All credentials submitted are to be made out by the proper school and college authorities and mailed by them to the Director of Admissions, The George Washington University, 2033 G Street, Washington, D. C. Photostat copies of credentials without the original signature of the certifying authority will not be accepted.

Each form must cover only work done at the school or college which fills out the form.

2. A recent photograph, with signature, is required of each applicant.

3. As the number of qualified applicants for admission to the School each year exceeds its capacity, those who wish to insure admission are urged to secure from the schools and colleges attended, completely compiled premedical credentials and forward them for evaluation as long a time as possible before the opening of the School of Medicine in September.

MEDICAL APTITUDE TEST

Applicants are required to take the Aptitude Test of the Association of American Medical Colleges, except where specifically excused by the School.

ADVANCED STANDING

Students who have satisfactorily attended one or more terms at any other class-A medical school, and who have the necessary preliminary educational requirements, may be admitted to advanced standing.

Students who have been in attendance upon an arts course in other accredited colleges or universities may be admitted to advanced standing in any of the premedical courses offered by the University upon presentation of properly certified evidence of satisfactory completion of work for which credit is asked.

REGISTRATION AND ADMISSION TO CLASSES

Registration in the School of Medicine is for a period of one year at a time. Acceptance by the School of a student's fees does not in any way obligate the School to accept the student for any subsequent year, and the right is reserved to drop any student from the School whenever, in the interest of the student or the School, the Advisory Committee deems it advisable to do so.

All matriculations and registrations must be completed within three days after the opening of the session.

Freshman students are admitted to classes on presentation of the matriculation ticket issued when all required fees have been paid. Second-, third-, and fourth-year students are admitted on presentation of their receipt for the payment of fees.

FEES

The following fees are prescribed by statute:

University fee, per annum.....	\$16.00
Tuition fee, per annum.....	450.00
Material and microscope fee, first-, second-, and third-year students, per annum.....	15.00
Breakage deposit, per annum.....	10.00
Graduation fee.....	20.00
Examination fees, for make-up for absence from regular examination, for make-up after failure, and the September pre-session examination, for each subject.....	5.00

FINANCIAL REGULATIONS

All fees are payable at the office of the Assistant to the Comptroller at the Medical Building, 1335 H Street NW. No student is permitted to complete registration or to attend classes until all fees are paid.

On account of the many applications for admission, and as the size of the freshman class is limited, places can be reserved only for those qualified applicants who remit the first trimester's tuition—a total of \$175.00. Should unusual circumstances arise whereby the matriculant is unable to attend, this initial payment, less a charge of \$25.00 for registration, transfer, etc., will be returned up to one month before the opening of the session, or thereafter, provided the place can be filled.

Fees due at registration must be paid within three days after the opening of the session.

There is no charge for the use of microscopes, but students will be required to pay for injury to apparatus and other college property. All breakage and loss not directly traceable to an individual student is assessed pro rata, and any unforfeited balance of the breakage deposit will be returned at the expiration of the course.

Fees* for each trimester are payable in advance as follows:

Trimester	1st, 2d, 3d yrs.	4th yr.
First.....	\$175.00	\$160.00
Second.....	160.00	160.00
Third.....	156.00	156.00
Total.....	\$491.00	\$476.00

In exceptional cases, subject to the approval of the Comptroller, students may make special arrangements for the payment of second- and third-trimester charges.

COST OF TEXTBOOKS AND STUDENT EQUIPMENT

The minimum cost of necessary textbooks and student equipment (drawing materials, glass slides, clinical thermometer, stethoscope, hemocytometer, etc.) is approximately as follows:

First year.....	\$50.00
Second year.....	87.00
Third year.....	45.00
Fourth year.....	30.00
Total.....	\$212.00

LIVING ACCOMMODATIONS

The George Washington University is an urban institution. It maintains no dormitories. For the benefit of non-resident students registers of rooms which have been inspected and approved are kept in the office of the Director of Women's Personnel Guidance, where inquiries in respect to housing facilities should be addressed. Satisfactory accommodations can be found near the University.

Single rooms usually range in price from twenty to thirty dollars a month, and double from ten to twenty dollars a month a person. Rooms with board, including breakfast and dinner, cost from forty to fifty dollars a month a person.

It is advisable for students to reach the University two or three days before the opening of the term in order that they may become established in satisfactory living quarters before class work begins. Renting by mail is unsatisfactory. Lists of houses will be mailed on request, but students are advised to make personal inspection before engaging rooms.

WOMEN STUDENTS

All women students under twenty-three years of age must have their residences approved by the Director of Women's Personnel Guidance,

*Including the University fee, tuition fees, and laboratory fees and deposits.

unless they are living with family or relatives. Registration is not complete until such approval is given.

SCHOLARSHIPS, PRIZES, LOAN FUNDS

The John Hitz Metzgerott Scholarship is available to students in the School of Medicine. For particulars regarding application for, and the award of this scholarship, see page 70 of the University catalogue.

The Ordronaux Prize of \$100.00 is awarded to the member of the graduating class of the School of Medicine who has completed the four-year medical course with the highest scholastic standing.

For information regarding other prizes, see pages 71-76 of the University catalogue.

The following loan funds are available to students in the School of Medicine: Daughters of the American Revolution Loan Fund; Harmon Foundation Loan Fund; Henry Strong Educational Foundation Loan Fund; and the University Loan Fund.

For particulars regarding application for, and the administration of, loan funds, see pages 76-77 of the University catalogue.

DEPARTMENTS OF INSTRUCTION

The work of the School is organized under the following departments:

- (1) Anatomy, including Embryology and Histology.
- (2) Bacteriology and Pathology, including Clinical Microscopy, Preventive Medicine, and Hygiene.
- (3) Biochemistry, including Clinical Chemistry.
- (4) Medicine, including Allergy, Dermatology, Neurology, Pediatrics, Tropical Medicine, Physical Diagnosis, Psychiatry, Medical Jurisprudence, and Syphilology.
- (5) Obstetrics and Gynecology.
- (6) Pharmacology.
- (7) Physiology, including Clinical Physiology.
- (8) Surgery, including Urology, Laryngology, Military Surgery, Ophthalmology, Orthopedics, Otology, and Roentgenology.
- (9) Military Science and Tactics.

CLINICS

Courses of clinical instruction are included in the announcements of the Departments of Medicine, Surgery, and Obstetrics and Gynecology. The Assistant Dean assigned to the Clinical Division prepares schedules of clinics and student section assignments to the various hospitals and dispensaries. Under the guidance of specialists each student administers anesthetics, assists at operations and confinements, and studies the care and treatment of cases admitted to the medical wards.

THE DEGREE OF DOCTOR OF MEDICINE

The degree of Doctor of Medicine given by this University admits the holder to all governmental examinations, including those for the Medical Corps of the United States Army and Navy and the Public Health Service and, with evidence of one year of postgraduate hospital work in those States which require hospital internship, will admit a graduate to all State examinations.

REQUIREMENTS FOR THE DEGREE

Every candidate for graduation with the degree of Doctor of Medicine must be at least twenty-one years of age, of reputable character, and free of all indebtedness to the University. He must have satisfied the admission requirements, completed satisfactorily not less than four years of study as a matriculated student in Medicine, completed all required courses, and passed satisfactorily all prescribed examinations.

CURRICULA LEADING TO THE DEGREE

The curricula leading to the degree are: (a) four-year curriculum leading to the degree of Doctor of Medicine (M.D.); (b) a combined seven-year curriculum leading to the degrees of Bachelor of Arts (A.B.) and Doctor of Medicine (M.D.).

THE COMBINED SEVEN-YEAR CURRICULUM

Registration. Candidates register in the Junior College for the freshman and sophomore years of the Premedical Curriculum and in Columbian College for the junior year.

Admission. Applicants must meet the premedical-college requirements outlined under "Educational Requirements," above.

Course of Study. Candidates must complete at least ninety-four semester-hours of prescribed college work, not including Physical Education (at least thirty semester-hours and one year of residence must be completed in Columbian College), and the first year of the Medical Curriculum. On satisfactory completion of the work outlined above, the student will be recommended for the degree of Bachelor of Arts. Upon completion of the fourth year in the Medical Curriculum the student becomes eligible for the degree of Doctor of Medicine. For further information regarding the Columbian College requirements for the Bachelor of Arts degree in the case of the combined curriculum leading to the degrees of Bachelor of Arts and Doctor of Medicine, see the Columbian College section of this bulletin.

THE PLAN OF INSTRUCTION

Each year of the Medical Curriculum is divided into the fall (twelve-week), winter (ten-week), and spring (eleven-week) trimesters. The curriculum for the degree of Doctor of Medicine must begin with the fall

trimester. Admission requirements are given elsewhere, but students must have constantly before them the necessity of thorough preparation as a basis for medical instruction.

The different branches of medical instruction are arranged in a specific order. There is a coordination in the work of the several departments that enables the student to concentrate his attention upon the subject-material so as to acquaint him with not only a single subject, but also with the allied subjects, in such a way that they can be readily understood and recognized as integrated parts of a unified training. The salient features in the method of instruction are thorough laboratory training, demonstrations, and clinical teaching, with recitations and lectures to clarify the many problems presented. Under such a system of instruction there can be no sharp discrimination in teaching of laboratory and clinical courses. The clinical material in the University Hospital and Dispensary is utilized to the fullest extent both for clinical instruction and laboratory work. Additional clinics are given in other hospitals in the city to which members of the Faculty of the School of Medicine are attached. The principal policy of the School is to give a comprehensive, well-grounded, well-proportioned course that will adequately instruct students in the fundamentals of Medicine.

FIRST YEAR

During the first year the time of the students is devoted to Anatomy, Histology and Embryology (which is carried on by demonstrations to sections and by work in the dissecting room), Physiology and Biochemistry. The work in General Anatomy is designed to cover the entire subject in such a manner as to afford the student a practical working basis for the later studies in Medicine and is so correlated and taught as to emphasize the value of relation and function as well as that of structure. Instruction in Physiology begins in the first year and is continued throughout the first trimester of the second year. Physiology is presented as far as practicable as an exact science, although the clinical aspects of the subject are almost constantly in the foreground. Physical and Physiological Chemistry are taught by lectures, demonstrations, recitations, and practical work in the laboratory. Instruction is given concerning personal hygiene, care of laboratory equipment, general conduct, and adaptability for the profession of Medicine.

SECOND YEAR

During the second year the work in Anatomy, Physiology, Pathology, Bacteriology, Immunology, and Pharmacology is completed. Courses in Clinical Chemistry, Preventive Medicine, and Hygiene are given. The work in Bacteriology and Immunology is taught by lectures, laboratory work, and conferences. Emphasis is laid upon those parts of the subject-

matter which are directly pertinent to the pathology of infectious diseases, the diagnosis of these diseases, and their treatment. The medical problems of Bacteriology are illustrated by means of materials obtained from the hospitals. Immunological and serological technique are presented to the student by means of group instruction. The preventive aspects of the physician's work in relation to infectious disease are considered.

THIRD YEAR

During the third year there are lectures and conferences in Medicine, Surgery, Obstetrics, Gynecology, Pediatrics, Therapeutics, Clinical Microscopy, Roentgenology, and Medical Jurisprudence. There are clinical lectures, demonstrations, diagnostic clinics, operative clinics, and follow-up clinics in Medicine, Surgery, Urology, Obstetrics, Gynecology, Neurology, Psychiatry, Pediatrics, Ophthalmology, Dermatology, Syphilology, Laryngology, Otology, and Orthopedic Surgery. The class is organized for instruction in physical and medical diagnosis and for practical work in the dispensaries and hospitals. There is special drill in history-taking and the practical technique of physical diagnosis.

FOURTH YEAR

During the fourth year the class is divided into small sections and required to attend ward clinics in the University Hospital, Gallinger Municipal Hospital, the Garfield Memorial Hospital, the Children's Hospital, Providence Hospital, St. Elizabeth's Hospital, and the Tuberculosis Hospital. Few lectures are given. The work is almost entirely practical and bedside instruction. In the diagnostic clinics students have the opportunity of applying the various methods of precision (the principles of which they have already studied) and are expected to become familiar with case-histories, make diagnoses, give prognoses, advise treatments, and watch the progress of cases. A course is given in Medical History and General and Medical Ethics.

HONORS

Candidates who have completed the four-year medical course with an average of ninety per cent or more in their work and examinations may be recommended for graduation "with distinction."

REGULATIONS

Students in the School of Medicine are subject to the general University regulations as stated on pages 78-81 of the University catalogue.

ATTENDANCE

1. Absence consists in being away from a class or clinic during a scheduled period, entering after the class or clinic has begun, or leaving before either is dismissed.

2. Absence is not allowed unless an excuse is obtained from the Dean or the instructor.
3. Application for excuse for absence due to sickness must be accompanied by a certificate signed by the attending physician.
4. For every unexcused absence a department will deduct one half of one per cent from the student's final grade in the subject involved.

EXAMINATIONS

Examinations may be written, oral, or practical, and may be held at the completion of each course or at the end of the academic year.

ABSENCE FROM EXAMINATIONS

A student who fails to appear at a regularly scheduled final examination will not be examined until the next regular examination, except by special permission of the Advisory Committee. For special examinations a fee of \$5.00 will be charged for each subject.

GRADES

Proficiency in all subjects is marked on a scale of 100. The passing grade in each subject is 75.

ADVANCEMENT

Any student who has satisfactorily completed the required work of the first, second, or third year of the course and has passed all examinations is eligible for advanced standing, if approved by the Advisory Committee of the Faculty.

FAILURE

A student who has failed in any subject will not be advanced unless his case is especially meritorious and then only by authority of the Advisory Committee. A student who has failed in a subject may, in the discretion of the Advisory Committee, be required to make it up in the September preterm examinations.

A student allowed to repeat a year or take the September examinations will be required to do work in such subjects and to take such examinations as may be directed by the Advisory Committee.

A student who fails of advancement after repeating any one of the first three years, or fails of graduation after repeating the final year, will not be permitted to maintain his connection with the School.

A student who fails of graduation may, if approved by the Advisory Committee, be reexamined for graduation in the September examinations.

CHANGE OF COURSE AND WITHDRAWAL

Course change and withdrawal are not allowed except upon authority of the Advisory Committee.

To withdraw from a course a written request approved by the Dean is required. Withdrawal permits and course certificates are issued only to those who have a clear financial record with the University.

LIMITATION OF REGULATIONS

The Faculty reserves the right to modify or change requirements, courses, rules, and fees in the School of Medicine.

SPECIAL UNDERGRADUATE AND GRADUATE ADVANTAGES IN THE SCHOOL OF MEDICINE

HEALTH ADMINISTRATION

The payment of the University fee entitles students to health services hereinafter described. Through reports from the students and University officials, the University attempts to keep informed as to all cases of illness among its students.

Medical privileges include: (1) the physical examination of all students entering from secondary schools; (2) three visits by the University physician or surgeon, office or home, in any one illness, exclusive of a specialist, surgical operation, laboratory, or X-ray examination; (3) hospitalization, including board, medicine, and undergraduate nursing in the University Hospital for not more than two weeks during a school term—the necessity to be determined by the Director of Health Administration. The duration of hospitalization period (maximum, two weeks) is also to be determined by the Director of Health Administration.

This medical benefit does not include treatment for illness or disability incurred previous to the University term or prior to payment of the University registration fee.

Students are allowed, if they so desire, to engage physicians and nurses of their own choice, but when they do so they will be responsible for the fees charged.

Rules: (1) The Director of Health Administration is empowered to limit or deny the medical benefits where, in his discretion, a student has, by his misconduct or breach of the rules of the University, made himself ineligible; (2) the Director of Health Administration has authority to determine the necessity and length of hospitalization; (3) students who have severed their connection with the University are ineligible for medical benefits; (4) students intending to train for athletic teams are required to pass a careful examination at the beginning of each semester; (5) the above regulations will apply during the Summer Sessions of the University.

STUDENT ACTIVITIES

PRIVILEGES

Payment of the University fee, charged all students, secures to them the following student-activity privileges:

1. Gymnasium privileges, including participation in intra-university athletic sports, and the use of the University tennis courts.
2. The *University Hatchet*, the official student newspaper, which is issued weekly.
3. Admission to home athletic contests.
4. Admission to University debates.
5. Admission at special rates to other University events.

ELIGIBILITY

No person who is not regularly enrolled as a student and who has not met the eligibility requirements of the School may participate in student activities or represent the University on its athletic teams or in other student activity.

No male student who has not been registered and in attendance in the University for at least one academic year shall represent the University on a varsity athletic team in an inter-collegiate contest.

CONTROL

Control and direction of all student activities are vested in the Committees on Extra-curricular Activities, which in turn are subject to the supervision and control of the President's Council.

PHYSICAL EXAMINATIONS

All first-year students are given a comprehensive physical examination by the Department of Health Administration upon admission to the School of Medicine. The students are informed of the findings and advised regarding such measures as will tend to maintain a high standard of health.

HOSPITAL APPOINTMENTS

Interns are appointed annually in the University Hospital. Similar appointments are made to graduates and undergraduates of this School in the following hospitals of the District: Casualty Hospital; Children's Hospital; Columbia Hospital for Women; Emergency Hospital; Episcopal Eye, Ear, and Throat Hospital; Gallinger Municipal Hospital; Garfield Memorial Hospital; Providence Hospital; St. Elizabeth's Hospital; Sibley Hospital; Tuberculosis Hospital; and Walter Reed United States Army General Hospital.

Students who, after graduation, desire internships in hospitals outside the District of Columbia, should apply directly to the institutions which

they wish to enter. A list of hospitals approved for intern training is published annually in the *Journal of the American Medical Association*, and a copy of the list may be consulted in the office of the Dean.

COMMISSION ON LICENSURE, DISTRICT OF COLUMBIA

Graduates who wish to take the examinations of the Commission on Licensure, District of Columbia, or desire to use the District license for reciprocity with the States, should apply to the Secretary, Commission on Licensure, Healing Arts Practice Act, District Building, Washington, D. C.

UNIVERSITY MEDICAL SOCIETY

The George Washington University Medical Society was established in 1905. All alumni and members of the Faculty are eligible for membership on election.

Meetings of the society are held in the School of Medicine on the third Saturday evening of each month from October to May.

Senior students are required to attend the meetings of this society.

COURSES OF INSTRUCTION

The courses of instruction are listed in alphabetical order beginning on page 51.

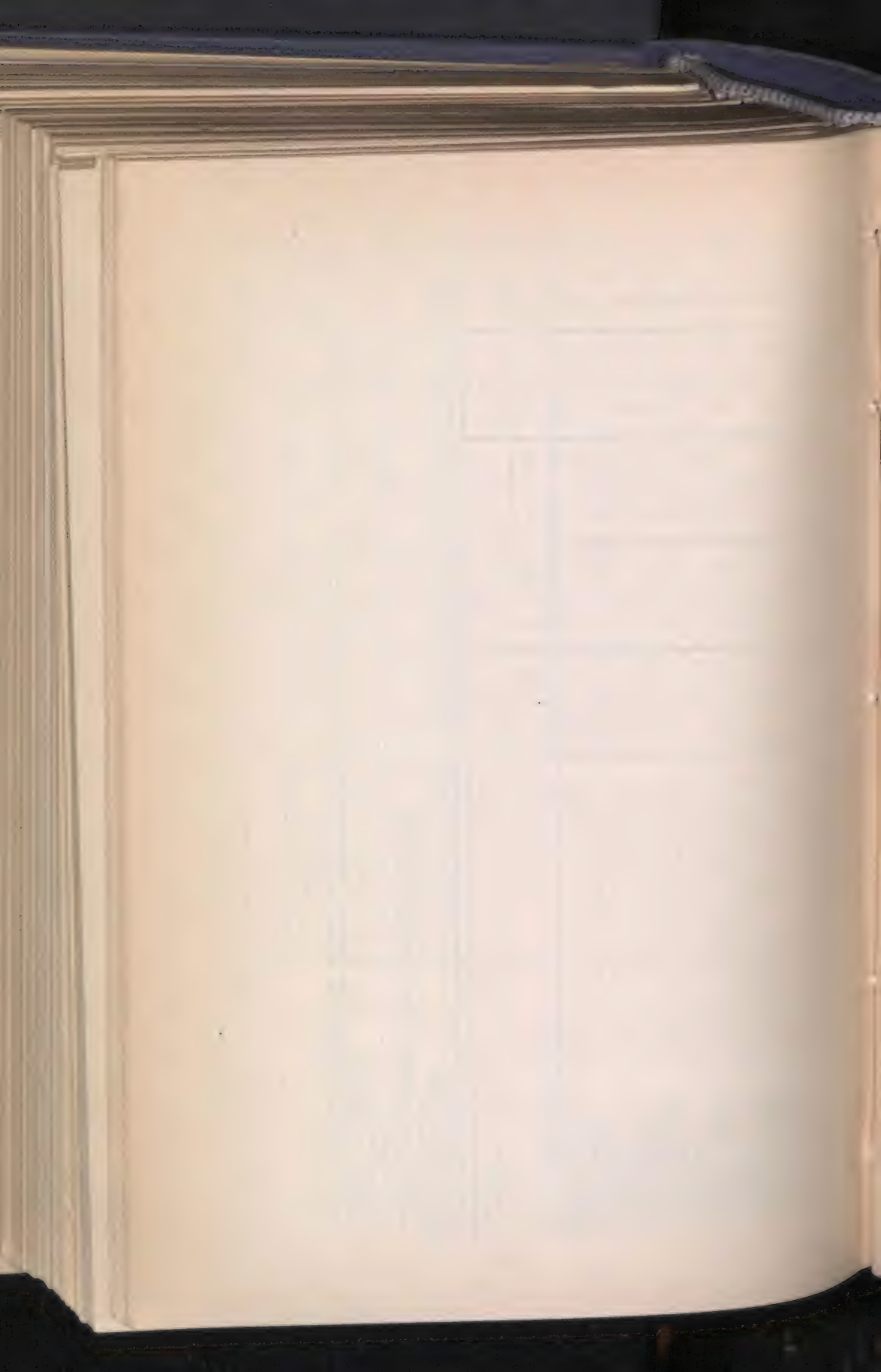
For catalogues, application blanks, and further information, address the Dean of the School of Medicine, The George Washington University, 1335 H Street NW., Washington, D. C.

SCHEDULE OF DEPARTMENTS, COURSES, AND ALLOTTED HOURS¹

HOURS

DEPARTMENTS AND COURSES

DEPARTMENTS AND COURSES	Hours										Total course hours	Total Dept. hours	
	Week-hours per trimester			First year		Second year		Third year		Fourth year			
	First (12)	Second (10)	Third (11)	Did.	Lab.	Did.	Lab.	Did.	Lab. or Clin.	Did.	Lab. or Clin.		
<i>Anatomy</i>												860	
Histology.....	9	9		30	168							168	
Embryology.....			9	30	60							90	
Gross.....	15	15	15	60	420							480	
Neural.....	6					12	60					72	
Applied.....		2				20						20	
<i>Bacteriology and Pathology</i>												791	
Bacteriology.....	12	12	19			32	112					144	
Pathology.....						64	256					320	
Autopsies.....		3	3			12	51					72	
Preventive Medicine and Hygiene.....								24	48			72	
Clinical Microscopy.....	3	3							30			30	
Clinical Pathological Conferences.....	1	8	1	80	96							175	
<i>Biochemistry</i>	8					31	42					239	
Clinical Chemistry.....		3	3									63	
<i>Medicine</i>												936	
Dermatology ⁴	10							22		6		22	
Ethics.....			10									6	
General Medicine ⁵		4	4					132	183			132	
Medical Clinics.....										310		493	
Medical Jurisprudence.....								12				12	
Neurology ⁴	1	1	1						30			30	
Pediatrics ⁴	2							24				24	
Physical Diagnosis.....	4	4	4					24	108			132	
Psychiatry ⁴	1	1	1						30			30	
Therapeutics.....	1	1	1					33				33	
Tropical Medicine.....								12				12	
Medical Psychology.....								10				10	
<i>Obstetrics and Gynecology</i>												226	
Obstetrics: lectures.....	1 and 2	1 and 2	1 and 2					66		30		96	
Obstetrics: laboratory demonstrations.....	2 ³											14	
Obstetrics: manikin demonstrations.....										6		6	



COURSES OF INSTRUCTION

NOTE.—First-year courses are numbered 101 to 150; second-year courses, 151 to 200; third-year courses, 201 to 250; and fourth-year courses, 251 to 300. The first number in parentheses indicates the total number of hours in the course, and the second number, the total number of lecture and quizz hours.

ANATOMY

George Bain Jenkins, M.D., *Professor of Anatomy, Executive Officer.*
William Binford King, A.M., M.D., *Associate Professor of Anatomy.*
Othmar Charles Solnitzky, Ph.D., M.D., *Associate Professor of Anatomy.*
Myron C. Waddell, M.S., *Instructor in Anatomy.*

Minimum requirements for the degree: 860 hours

111-13 *Gross Anatomy* (480-60) Jenkins, King, Waddell

This course consists of instruction in Osteology, followed by the careful dissection and study of the entire body, and supplemented by the use of models and prepared specimens. Fifteen hours a week in the first, second, and third trimesters of the first year.

121-23 *Histology and Embryology* (288-60) Jenkins, Solnitzky, King,
Waddell

The work includes the histogenesis and microscopic structure of the tissues and organs of the human body. Special emphasis is laid on the relation of structure to function. Nine hours a week in the first and second trimesters of the first year. The work in Embryology embraces a study of normal development. Stained sections, prepared embryos, and models are used. Nine hours a week in the third trimester of the first year.

161 *Neuro-anatomy* (72-12) Jenkins, Solnitzky

A laboratory course on the gross and microscopic study of the human central nervous system. Six hours a week in the first trimester of the second year.

172 *Applied Anatomy* (20-20) Jenkins, King

In this course the important facts of regional and topographical Anatomy are given in their application to the practice of medicine and surgery. Two hours a week in the second trimester of the second year.

BACTERIOLOGY AND PATHOLOGY

Oscar Benwood Hunter, A.M., M.D., *Professor of Bacteriology and Pathology, Executive Officer.*

Earl Baldwin McKinley, A.B., M.D., *Professor of Bacteriology.*

Karl H. Langenstrass, M.D., *Professorial Lecturer on Neuro-pathology.*

Roger Morrison Choisser, B.S., M.D., *Associate Professor of Bacteriology and Pathology.*

George Joseph Brilmyer, M.S., M.D., *Associate Professor of Pathology.*

Leon Stuart Gordon, A.M., M.D., *Assistant Professor of Pathology.*

William Franklin Sheridan, A.B., *Instructor in Pathology.*

Charles Rosenberg, M.S., *Instructor in Bacteriology.*

William Francis Simpson, B.S., *Instructor in Bacteriology.*

Minimum requirements for the degree: 701 hours

151 *Bacteriology* (144-32)

Hunter, Choisser, Gordon,
Rosenberg, Simpson

Lectures and quizzes in the field of Bacteriology and Immunology and their application to human medicine and welfare. The laboratory work covers the preparation of all the standard culture media, the general principles of sterilization, and bacteriologic technic from the study of about a dozen typical, widely different, non-pathogenic organisms. The students prepare, as far as practicable, such special media as are needed for this work. Twelve hours a week in the first trimester of the second year.

152-53 *Pathology* (392-64) Hunter, Choisser, Langenstrass, Gordon, Brilmyer, Sheridan

General Pathology, covering inflammation, repair, degenerations, the effects of plant (including bacteria) and animal parasites on the body, the effects of chemical and physical agents, the formation of new growths, etc., followed by special pathology of the organs and of the specific diseases. The laboratory work consists primarily of the histologic study of diseased tissues and neoplasms. Twelve hours a week in the second and nineteen hours a week in the third trimester of the second year. Autopsies for second-, third-, and fourth-year students are held at the University and affiliated hospitals.

- 154-55 *Preventive Medicine and Hygiene* (63-12) Choisser, Brilmyer
This course consists of lectures, recitations, laboratory work, sanitary excursions, and sanitary surveys. Three hours a week in the second and third trimesters of the second year.

201-3 *Clinical Microscopy and Parasitology* (72-24)

Hunter, Choisser, Brilmyer

In this course the student is trained in the counting of the red and white blood cells, in the various methods of hemoglobin estimation, in differential leucocyte counting, in the study of malarial and other parasites, in the estimation of blood-coagulation time, etc., in the microscopic study of the sediments of normal and pathologic urines, in the microscopic examination of stomach contents, of the feces, including a detailed study of those animal parasites which are of interest from a medical standpoint, beginning with the protozoa and passing through the helminths and arthropods, in the microscopic examination of sputum, spinal fluids, pleural exudates, etc. Three hours a week for twenty-four weeks in the first and second trimesters of the third year.

261-63 *Clinical Pathological Conferences* (30-0)

Medical Staff, Hunter, Choisser, Gordon

Clinical records are presented by the student assigned to the case in the wards. Autopsy and clinical findings are compared, and the specimens are demonstrated and examined by all present. One hour a week throughout the fourth year.

277-78 *Seminar*

McKinley

Hours and credits to be arranged.

BIOCHEMISTRY

Joseph Hiram Roe, Ph.D., *Professor of Biochemistry, Executive Officer.*
Oliver John Irish, M.S., *Associate Professor of Biochemistry.*
Harold Albert Craft, M.S., *Assistant Professor of Biochemistry.*

Minimum requirements for the degree: 239 hours

101-2 *Biochemistry* (176-80)

Roe, Irish, Craft

A series of lectures and recitations, supplemented by laboratory work, upon such subjects as hydrogen-ion concentration, indicators, methods of quantitative analysis, dialysis, osmosis, colloids, enzymes, radio-activity, and the structure of the atom, is given for about six weeks. The remainder of the course is devoted to physiological chemistry, which includes a study of the chemical structure and reactions of carbohydrates, fats, and proteins; the composition of the tissues of the body, and of milk, urine, and the secretions; the digestion and absorption of foods; metabolism; the basic principles of nutrition. Eight hours a week in the first and second trimesters of the first year.

152-53 *Clinical Chemistry* (63-21)

Roe, Irish, Craft

A lecture and laboratory course covering the biochemical methods of analysis used as aids in the diagnosis of disease. This consists of the usual qualitative and quantitative methods of analysis of urine, blood, gastric juice, and feces; the kidney and liver function tests; and the interpretation of laboratory findings with respect to diseased conditions. Three hours a week in the second and third trimesters of the second year.

297-98 *Research*

Roe

Hours, fees, and credits to be arranged.

MEDICINE

- William Alanson White, A.M., M.D., *Professor of Psychiatry.*
 Harry Hampton Donnally, A.M., M.D., *Professor of Pediatrics.*
 William Johnston Mallory, A.M., M.D., *Professor of Medicine.*
 Charles Augustus Simpson, M.D., *Professor of Dermatology.*
 Walter Freeman, M.S., M.D., *Professor of Neurology.*
 Coursen Baxter Conklin, A.M., M.D., *Professor of Physical Diagnosis.*
 Walter Andrew Bloedorn, A.M., M.D., *Professor of Medicine, Executive Officer.*
 Joseph Burton Glenn, M.D., *Professor of Materia Medica and Therapeutics.*
 Franklin Forman Murdoch, M.D., *Professor of Tropical Medicine.*
 Nolan Don Charpentier Lewis, M.D., *Clinical Professor of Psychiatry.*
 Henry Cook Macatee, M.D., *Clinical Professor of Medicine.*
 Harry Alfred Ong, M.D., *Clinical Professor of Pediatrics.*
 Roscoe Willis Hall, Ph.B., M.D., *Clinical Professor of Psychiatry.*
 Charles Robert Lee Halley, A.B., M.D., *Clinical Professor of Medicine.*
 Thomas Sim Lee, A.M., M.D., *Clinical Professor of Medicine.*
 Leslie Tracy Gager, A.B., M.D., *Clinical Professor of Medicine.*
 Joseph Winthrop Peabody, M.D., *Clinical Professor of Medicine.*
 Frank Adelbert Hornaday, M.S., M.D., *Clinical Professor of Medicine.*
 Harry Marx Kaufman, A.B., M.D., *Clinical Professor of Medicine.*
 Fred August Moss, Ph.D., M.D., *Clinical Professor of Neuro-psychiatry.*
 John Alton Reed, A.B., M.D., *Clinical Professor of Medicine.*
 Harry Saul Bernton, A.B., M.D., *Associate in Medicine.*
 Watson William Eldridge, M.D., *Associate in Medicine.*
 Preston Alexander McLendon, B.S., M.D., *Associate in Pediatrics.*
 Paul J. Ewerhardt, M.D., *Associate in Psychiatry.*
 John Edward Lind, M.D., *Associate in Psychiatry.*
 Harriet Elizabeth Twombly, A.B., M.D., *Associate in Psychiatry.*
 Everett Monroe Ellison, Ph.D., M.D., *Clinical Associate in Medicine.*
 Edward Lewis, M.D., *Clinical Associate in Pediatrics.*
 John Minor, A.B., M.D., *Clinical Associate in Medicine.*
 Harry Ford Anderson, M.D., *Clinical Associate in Dermatology.*
 Archibald Barklie Coulter, A.B., M.D., *Clinical Associate in Medicine.*
 Maurice Protas, A.B., M.D., *Clinical Associate in Medicine.*
 Isaac Silverman, M.D., *Clinical Associate in Psychiatry.*

- Herman Solomon Hoffman, A.B., M.D., *Clinical Associate in Medicine.*
James Alexander Lyon, M.D., *Clinical Associate in Medicine.*
John Paul Earnest, jr., A.B., M.D., *Lecturer on Medical Jurisprudence.*
Grafton Tyler Brown, B.S., M.D., *Lecturer on Allergy.*
Edward Ballard Broocks, M.D., *Instructor in Pediatrics.*
George Dewey, M.D., *Instructor in Physical Diagnosis.*
William LeRoy Dunn, A.M., M.D., *Instructor in Physical Diagnosis.*
Margaret Mary Nicholson, A.B., M.D., *Instructor in Pediatrics.*
Charles Berger Campbell, Phar.D., M.D., *Clinical Instructor in Dermatology.*
Frank Louis Williman, B.S., M.D., *Clinical Instructor in Medicine.*
Herman Eugene Kittredge, M.D., *Clinical Instructor in Dermatology.*
Hyman David Shapiro, M.D., *Clinical Instructor in Medicine.*
Edward Jacob Grass, A.B., M.D., *Clinical Instructor in Medicine.*
George William Creswell, A.B., M.D., *Clinical Instructor in Medicine.*
Nicholas Athanasiou Mandelos, M.D., *Clinical Instructor in Medicine.*
Aaron Nimetz, A.B., M.D., *Clinical Instructor in Pediatrics.*
Charles Aurelius Schutz, M.D., *Clinical Instructor in Pediatrics.*
Katharine Godfrey Symmonds, A.B., M.D., *Clinical Instructor in Pediatrics.*
Norvell Belt, A.B., M.D., *Clinical Instructor in Medicine.*
Harry Friedenberg, A.B., M.D., *Clinical Instructor in Physical Diagnosis.*
Raphael Manganaro, B.S., M.D., *Clinical Instructor in Medicine.*
Irving Brotman, M.D., *Clinical Instructor in Medicine.*
Jerry Keith Cromer, M.D., *Clinical Instructor in Medicine.*
John Carl Eckhardt, M.D., *Clinical Instructor in Pediatrics.*
Daniel Leo Finucane, B.S., M.D., *Clinical Instructor in Medicine.*
Stuart Oliver Foster, A.B., M.D., *Clinical Instructor in Medicine.*
Vincent Clarence Gould, M.D., *Clinical Instructor in Medicine.*
Robert Howe Harmon, A.B., M.D., *Clinical Instructor in Medicine.*
Harry Arnold Hull McNitt, A.M., M.D., *Clinical Instructor in Medicine.*
George Harrison Nixon, M.S., M.D., *Clinical Instructor in Medicine.*
Winifred Richmond, Ph.D., M.D., *Clinical Instructor in Psychiatry.*
Marvin McDugald McLean, M.D., *Clinical Instructor in Medicine.*
James Hiram Rolls, M.D., *Clinical Instructor in Medicine.*

153 *Physical Diagnosis* (22-22)

A lecture course. Two hours a week in the third trimester of the second year.

201-3 *Physical Diagnosis* (132-24)

Conklin, Mandelos, Dewey, Dunn, Friedenber

The course is in the main clinical, consisting of section demonstrations and practice on the normal and abnormal subject. Four hours a week throughout the third year.

204-6 *General Medicine* (132-132)

Mallory, Bloedorn, Halley

Systematic course of lectures and recitations covering diseases of the respiratory, blood-circulatory, gastro-intestinal, and endocrine systems. Four hours a week throughout the third year.

207-9 *Medical Clinics* (493-0)

Clinical Medical Staff

Well-organized group clinics are presented in General Medicine, Dermatology, Neurology, Pediatrics, and Psychiatry at the bedside and in hospital dispensaries. Clinical conferences with the third- or fourth-year class in attendance are held weekly. Daily throughout the third and fourth years

225-27 *Therapeutics* (33-33)

Glenn

Lectures embracing the clinical application of drugs, and a comprehensive discussion of dietetics, physio-therapy, and other therapeutic resources. One hour a week throughout the third year.

231 *Pediatrics* (24-24)

Donnally

The course consists of lectures and demonstrations. Two hours a week in the first trimester of the third year. (Clinical hours are included in the hour schedule of medical clinics.)

241-42 *Dermatology* (22-22)

Simpson

A course of lectures in the first sixteen weeks of the third year, supplemented by dermatologic clinics in general dispensaries. (Clinical hours are included in the hour schedule of medical clinics.)

245 *Tropical Medicine* (12-12)

Murdoch

The course is similar to that given in the Army and Navy Medical Schools, special attention being given to disease prevalent in the United States and its possessions. One hour a week in the first trimester of the third year.

247 *Medical Jurisprudence* (12-12)

Earnest

Lectures on the rights and obligations of physicians, both

legal and ethical, and on the legal problems with which the physician is brought into contact. One hour a week in the first trimester of the third year.

249 *Medical Psychology* (10-10) Hall

A course of lectures presenting the fundamentals of Psychology from the medical standpoint. One hour a week in the first trimester of the third year.

251-53 *Medical Clinics*

Continuation of Medicine 207-9.

261-63 *Neurology* (30-30) Freeman

This course of clinical lectures is given at the Government Hospital for the Insane. One hour a week throughout the fourth year. (Clinical hours are included in the hour schedule of medical clinics.)

271-73 *Psychiatry* (30-30) White and Staff

Clinical lectures exhibiting common types of mental deterioration, supplemented by ward and conference clinics, are followed by a didactic course in the more advanced phases of the subject. One hour a week throughout the fourth year. (Clinical hours are included in the hour schedule of medical clinics.)

292 *Ethics* (6-6) W. C. Borden

A course of lectures on general ethics, including personal hygiene, care of laboratory equipment, and general conduct, in the first year, and on medical ethics and adaptability for the profession in the fourth year. Six hours in the fourth year.

MILITARY SCIENCE AND TACTICS

William Olendorf Wetmore, M.D., Major, Medical Corps, United States Army, *Professor of Military Science and Tactics.*

The Reserve Officers' Training Course is elective

101-3 (*Basic Medical Course*) *Military Science and Tactics* Wetmore
Practical and theoretical instruction in the following subjects: military courtesy and discipline, policy, organization, administration, law, medicine, hygiene, and first aid. One hour a week throughout the first year.

151-53 (*Basic Medical Course*) *Military Science and Tactics* Wetmore
Map reading; organization of the medical department for caring for and transporting of the sick and wounded from the firing line to the hospitals in the interior; tactics and technique of the several branches of the Army; hospitalization; sanitation with reference to posts, camps, and marches. One hour a week throughout the second year. A summer course at Carlisle Barracks, Pa., follows the second year. Six weeks of physical training, athletics, drill, practice marches, practical sanitation, company administration, military tactics, and map drawing.

201-3 (*Advanced Medical Course*) *Military Science and Tactics* Wetmore
Physical examinations of masses as employed in the Army; food and its relation to disease; water and its relation to disease; prevention and control of communicable diseases from the military standpoint; sanitation in field and garrison. One hour a week throughout the third year.

251-53 (*Advanced Medical Course*) *Military Science and Tactics* Wetmore
Service in the O. R. C.; military hospitals and hospitalization in war; medical and surgical diseases peculiar to war; medical aspects of chemical warfare; aviation medicine; medical aspects of mobilization. Inspection of dairies, ice-cream plants, and packing houses. Methods used by the Army in selecting meats and meat products. Regulations concerning the slaughtering and preparation of meat and meat products. One hour a week throughout the fourth year.

OBSTETRICS AND GYNECOLOGY

- Huron Willis Lawson, M.S., M.D., *Professor of Obstetrics and Gynecology, Executive Officer.*
- Howard Francis Kane, A.B., M.D., *Clinical Professor of Obstetrics.*
- Elijah White Titus, Phar.D., M.D., *Clinical Professor of Gynecology.*
- Thomas Edwin Neill, M.D., *Clinical Professor of Gynecology.*
- Richard Lee Silvester, M.S., M.D., *Clinical Professor of Obstetrics.*
- Jacob Kotz, M.D., *Clinical Professor of Gynecology.*
- Henry Lauran Darner, A.B., M.D., *Clinical Associate in Gynecology.*
- Joseph Harris, A.B., M.D., *Instructor in Obstetrics.*
- Virgil B. Jackson, M.D., *Clinical Instructor in Gynecology.*
- Helen Gladys Kain, B.S., M.D., *Clinical Instructor in Gynecology.*
- George Nordlinger, A.B., M.D., *Clinical Instructor in Obstetrics.*
- Laurence Lee Cockerille, M.D., *Clinical Instructor in Obstetrics.*
- Henry John Russell McNitt, B.S., M.D., *Clinical Instructor in Obstetrics.*
- Herbert Percy Ramsey, A.B., M.D., *Clinical Instructor in Gynecology.*
- William Raymond Thomas, M.D., *Clinical Instructor in Obstetrics.*
- Esther Alsylvia Nathanson, A.B., M.D., *Clinical Instructor in Gynecology.*
- Bernard Notes, M.D., *Clinical Instructor in Obstetrics.*
- Frank Edward Gantz, M.D., *Clinical Instructor in Gynecology.*
- William Preston Haynes, A.B., M.D., *Clinical Instructor in Obstetrics.*
- Clayton Howard Hixson, M.D., *Clinical Instructor in Obstetrics.*
- Edmund Murdaugh Ellerson, M.D., *Clinical Instructor in Obstetrics.*
- Russel Jon Jansen, M.D., *Clinical Instructor in Obstetrics.*

Minimum requirements for the degree: 226 hours

- 211-13 *Normal Obstetrics (66-66)* Lawson, Kane, Silvester, Thomas
Lectures and recitations on the physiology and management of normal pregnancy, labor, and the puerperium. The physiology and the immediate care of the newborn child are included. Complications of pregnancy are considered in this course near the end of the year. Two hours a week throughout the third year.

- 214 *Obstetrical Demonstrations (14-0)* Harris, Thomas
During the first part of this course laboratory studies are made of the bony pelvis in relation to childbearing, the

changes in the soft tissues due to pregnancy, and the fetus at different ages. During the latter half of the course methods of antepartum examinations are demonstrated in the dispensaries and the clinical course, and management of normal labor is studied in the delivery wards. The student observes at least four normal deliveries. Sections, two hours a week for seven weeks in the third year.

- 223-25 *Principles and Practice of Gynecology* (33-33) Titus, Kotz
A course of lectures and recitations on the subject-matter of Gynecology, medical and surgical, as generally accepted, with dispensary clinics to demonstrate the principles taught. One hour a week throughout the third year.

- 251-53 *Abnormal Obstetrics* (30-30) Lawson
Lectures, recitations, and conferences on the pathology of pregnancy, labor, and the puerperium. Birth injuries to the fetus are discussed and demonstrated. The course concludes with a consideration of operative Obstetrics. One hour a week throughout the fourth year.

- 255 *Operative Gynecology* (12-12) Kotz
A course of lectures describing the fundamental operative procedures in Gynecology. One hour a week in the first trimester of the fourth year.

- 258 *Manikin Demonstrations* (6-0) Harris, Notes
A course of exercises on the diagnosis of fetal presentation and position, the mechanism of labor, version and extraction, delivery by forceps, and other manipulations and operations. Use is made of bony and metal pelvis, the manikin, and fetuses. Sections, two hours a week for three weeks in the fourth year.

- 261-63 *Clinical Obstetrics* (50-0) Lawson and Staff
This course embraces dispensary clinics on prenatal care, ward clinics, observation of abnormal deliveries, and the attendance under supervision of six cases in the out-patient service. Throughout the fourth year.

- 273 *Clinical Gynecology* (15-0) Lawson and Staff
Clinical instruction in various hospitals, covering the more important gynecological diseases and operations. Sections throughout the fourth year.

PHARMACOLOGY*

George Byron Roth, A.M., M.D., *Professor of Pharmacology, Executive Officer.*

James Holmes Defandorf, A.M., *Associate Professor of Pharmacology.*

Minimum requirements for the degree: 172 hours

151 *Chemical Pharmacology* (36-0)

Roth, Defandorf

This laboratory course aims to teach the elements of the pharmacy of the more important medicinal agents and to acquaint the student with the fundamentals underlying the chemical incompatibilities of drugs. The characteristic reactions of the important constituents in drugs are emphasized, and the excretion of certain drugs in man is investigated. Three hours a week in the first trimester of the second year.

152 *Pharmacodynamics* (50-0)

Roth, Defandorf

The instruction in Pharmacodynamics is also practical and consists of demonstrations and student experiments to illustrate the biological effects and nature of the action of the more important pharmacological agents, proceeding from the simple to the more complex tissues and finally to the organism as a whole. Five hours a week in the second trimester of the second year.

161-63 *Systematic Pharmacology* (76-76)

Roth

This is a didactic course, supplemented by demonstration, which correlates the most prominent facts relating to the more important therapeutic agents and brings them into more intimate connection with their clinical use, special consideration being given to the drugs found in the United States Pharmacopoeia and New and Non-official Remedies. Two hours a week in the first and third trimesters and three hours a week in the second trimester of the second year.

174 *Principles of Prescription Writing* (10-0)

Roth

Conferences on the form of the prescription and drill in elemental prescription writing. One hour a week in the second trimester of the second year.

*Including Materia Medica and Toxicology.

PHYSIOLOGY

Leslie Howson French, M.D., *Professor of Physiology, Executive Officer.*
_____, *Assistant Professor of Physiology.*

Robert Joseph Bosworth, M.D., *Associate in Physiology.*

Minimum requirements for the degree: 279 hours

111-13 *Physiology* (121-121)

French and Staff

Course of lectures, recitations, and conferences covering the physiology of muscle, nerve, blood, lymph, circulation, respiration, digestion, excretion, secretion, sense organs, metabolism, endocrine, and central nervous systems. Three hours a week in the first and second trimesters, and five hours a week in the third trimester, of the first year.

151 *Physiology* (24-24)

French

Continuation of Physiology 111-13. Two hours a week in the first trimester of the second year.

152 *Experimental Physiology* (120-0)

French and Staff

Course of laboratory exercises and demonstrations selected to illustrate the fundamental principles of Physiology and to impress the student with the importance of observation and correlation. Quizzes and conferences precede each laboratory session. The course includes practical instruction in electro-cardiography and metabology. Ten hours a week in the first trimester of the second year.

251 *Clinical Physiology* (14-0)

French

Course of laboratory exercises, ward demonstrations, and conferences covering clinical disturbances of function. The subject-matter is presented in such a way as to interpret clinical pictures, explain certain functional diagnostic procedures, and suggest rational preventive and curative therapeutic principles. Sections, two hours a week for seven weeks in the fourth year.

SURGERY

Francis Randall Hagner, M.D., *Professor of Urology.*
Custis Lee Hall, M.D., *Professor of Orthopedic Surgery.*
William Thornwall Davis, M.D., *Professor of Ophthalmology.*
Charles Stanley White, M.D., *Professor of Surgery, Executive Officer.*
Daniel LeRay Borden, A.M., M.D., *Professor of Surgery.*
Cline N. Chipman, M.D., *Professor of Anesthesia.*
John Joseph Shugrue, B.S., M.D., *Professor of Neurological Surgery.*
Albert Perkins Tibbets, A.B., M.D., *Professor of Otolaryngology.*
Claude Moore, M.D., *Professor of Roentgenology.*
Aurelius Rives Shands, M.D., *Clinical Professor of Orthopedic Surgery.*
Arthur Carlisle Christie, M.S., M.D., *Clinical Professor of Roentgenology.*
Henry Walper Kearney, M.D., *Clinical Professor of Anesthesia.*
Harry Hyland Kerr, M.D.C.M., *Clinical Professor of Surgery.*
Thomas Allen Groover, M.D., Sc.D., *Clinical Professor of Roentgenology.*
William Berry Marbury, M.D., *Clinical Professor of Surgery.*
Frederick August Reuter, M.D., *Clinical Professor of Urology.*
James Fernandez Mitchell, A.B., M.D., *Clinical Professor of Surgery.*
Homer Gifford Fuller, Ph.B., M.D., *Clinical Professor of Urology.*
Joseph Borrowes Bogan, M.D., *Clinical Professor of Anesthesia.*
Charles Wilbur Hyde, M.D., *Clinical Professor of Anesthesia.*
William Hite Hough, Ph.D., M.D., *Clinical Professor of Syphilology.*
Paul Sterling Putzki, M.D., *Clinical Professor of Surgery.*
Arch Lockhart Riddick, A.B., M.D., *Clinical Professor of Surgery.*
Guy Whitman Leadbetter, B.S., M.D., *Clinical Professor of Surgery.*
William Warren Sager, M.S., M.D., *Clinical Professor of Surgery.*
Otto Nellis Warner, M.D., *Associate in Anesthesia.*
Ralph Stevens Pendexter, LL.B., M.D., *Associate in Ophthalmology.*
John Hugh Lyons, M.S., M.D., *Associate in Surgery.*
Francis George Speidel, M.D., *Associate in Anesthesia.*
Herbert Hermann Schoenfeld, M.D., *Clinical Associate in Surgery.*
Harold Walter Krogh, D.D.S., *Clinical Associate in Dental Surgery.*
Lyle Millan Mason, M.D., *Clinical Associate in Urology.*
Jesse Thomas Mann, M.D., *Instructor in Anesthesia.*
Joseph Kreiselman, M.D., *Instructor in Anesthesia.*

- Eugene Lyman LeMerle, D.D.S., M.D., *Instructor in Anesthesia.*
 Philip O. Pelland, M.D., *Instructor in Surgery.*
 John Ogle Warfield, jr., A.M., M.D., *Instructor in Surgery.*
 Boyce Richardson Bolton, M.D., *Clinical Instructor in Otolaryngology.*
 Benjamin Franklin Dean, jr., M.D., *Clinical Instructor in Surgery.*
 Richard Laurens DeSaussure, M.D., *Clinical Instructor in Otolaryngology.*
 James McNellidge Fadeley, M.D., *Clinical Instructor in Urology.*
 William Dennis Goodman, M.D., *Clinical Instructor in Urology.*
 Edward Richard Gookin, M.D., *Clinical Instructor in Ophthalmology.*
 Stewart Maxwell Grayson, M.D., *Clinical Instructor in Surgery.*
 Myer Jerome Herschman, M.D., *Clinical Instructor in Urology.*
 Daniel Bruce Moffett, A.B., M.D., *Clinical Instructor in Otolaryngology.*
 Benjamin Newhouse, M.D., *Clinical Instructor in Urology.*
 LeRoy Lee Sawyer, jr., A.B., M.D., *Clinical Instructor in Otolaryngology.*
 David Davis, A.B., M.D., *Clinical Instructor in Bronchoscopy.*
 Aubrey David Fischer, M.D., *Clinical Instructor in Otolaryngology.*
 James Houston Hawfield, M.D., *Clinical Instructor in Surgery.*
 Bernard Lipscomb Jarman, M.D., *Clinical Instructor in Otolaryngology.*
 Nathan Norman Smiler, M.D., *Clinical Instructor in Surgery.*
 Don R. Johnson, LL.B., M.D., *Clinical Instructor in Otolaryngology.*
 Don Sweet Knowlton, B.S., M.D., *Clinical Instructor in Otolaryngology.*
 Frank Marks McChesney, M.D., *Clinical Instructor in Anesthesia.*
 Edward Bailey Macon, M.D., *Clinical Instructor in Anesthesia.*
 Miles Parker Omohundro, M.D., *Clinical Instructor in Urology.*
 Howard Lee Smith, M.D., *Clinical Instructor in Surgery.*
 Richard Knight Thompson, D.D.S., *Clinical Instructor in Dental Surgery.*
 Thomas Carlton Thompson, B.S., M.D., *Clinical Instructor in Urology.*
 Charles Louis Billard, M.D., *Clinical Instructor in Ophthalmology.*
 William Thompson Burch, M.D., *Clinical Instructor in Bronchoscopy.*
 Edward Alexander Cafritz, M.D., *Clinical Instructor in Surgery.*
 Alan Jeffries Chenery, M.D., *Clinical Instructor in Urology.*
 Elizabeth Emery Chickering, M.D., *Clinical Instructor in Anesthesia.*
 Hazen Eugene Cole, M.D., *Clinical Instructor in Surgery.*
 Harry Kaplan, D.D.S., *Clinical Instructor in Dental Surgery.*
 Joseph Ernest Mitchell, M.D., *Clinical Instructor in Urology.*
 George Victor Simpson, M.D., *Clinical Instructor in Ophthalmology.*

- Emil Henry Sloan, D.D.S., *Clinical Instructor in Dental Surgery.*
 James Alexander Smart, M.D., *Clinical Instructor in Otolaryngology.*
 William J. Snow, B.S., M.D., *Clinical Instructor in Ophthalmology.*
 Xaverius Charles Suraci, M.D., *Clinical Instructor in Anesthesia*
 E. Osmun Barr, M.D., *Clinical Instructor in Surgery.*
 Frederick Leslie Benton, A.M., M.D., Sc.D., *Clinical Instructor in Ophthalmology.*
 Elliott Muse Campbell, M.D., *Clinical Instructor in Surgery.*
 William Wiley Chase, A.B., M.D., *Clinical Instructor in Surgery.*
 Frederick Coleman Fishback, M.D., *Clinical Instructor in Surgery.*
 Valentine Martin Hess, M.D., *Clinical Instructor in Surgery.*
 Alec Horwitz, M.S., M.D., *Clinical Instructor in Surgery.*
 Charles Perry Howze, M.D., *Clinical Instructor in Urology.*
 Wilford Nephi Johannessen, D.D.S., *Clinical Instructor in Dental Surgery.*
 William Dulaney Monroe, jr., D.D.S., *Clinical Instructor in Oral Surgery.*
 Julius S. Neviaser, A.B., M.D., *Clinical Instructor in Orthopedic Surgery.*
 Gilbert Ottenberg, A.M., M.D., *Clinical Instructor in Urology.*
 Ernest Alfred Watson Sheppard, M.D.C.M., *Clinical Instructor in Ophthalmology.*
 Walter Raymond Stokes, LL.B., M.D., *Clinical Instructor in Surgery.*
 Samuel Ross Taggart, M.D., *Clinical Instructor in Surgery.*
 Lyman Brooke Tibbets, Ph.D., M.D., *Clinical Instructor in Otolaryngology.*
 John H. Trinder, M.D., *Clinical Instructor in Otolaryngology.*

Minimum requirements for the degree: 700 hours

201-2 *Surgical Technique* (22-22)

Marbury

This course covers the principles of Surgery, antisepsis and asepsis, the use of surgical instruments, appliances, sutures, bandages and dressings, and the technique of minor surgical procedures. One hour a week in the first and second trimesters of the third year.

204-6 *Surgical Clinics* (387-0)

Surgical Clinical Staff

Dispensary, amphitheater, bedside, and ward-round instruction in the practice and principles of Surgery. Instruction of small groups is given in General Surgery and the specialties, including Anesthesia, Neuro-surgery, Ophthalmology, Otolaryngology, Orthopedics, Roentgenology, Urology, Proctology, and Oral Surgery. Daily throughout the third and fourth years.

- 221-23 *General Surgery* (126-126) White, D. L. Borden, Putzki, Riddick, Marbury, Leadbetter, Dean, Krogh
Course of lectures and recitations covering General Surgery as applied to the neck, thorax, gastro-intestinal tract, and the bones and skeletal muscles. Two hours a week throughout the third and fourth years. (Clinical hours are included in the hour schedule of surgical clinics.)
- 233-34 *Roentgenology* (21-21) Moore, Groover, Christie
The course consists of lectures and demonstrations, both practical and theoretical. Fully equipped roentgen laboratories are maintained and utilized in the University Hospital, the Emergency Hospital, and the Gallinger Municipal Hospital. One hour a week in the second and third trimesters of the third year.
- 243 *Anesthesia* (12-12) Chipman
Theoretical and practical instruction is given in the use of general and local anesthetic agents. One hour a week in the first trimester of the third year. (Clinical hours are included in the hour schedule of surgical clinics.)
- 251-53 *Surgical Clinics*
Continuation of Surgery 204-6.
- 254-56 *General Surgery*
Continuation of Surgery 221-23.
- 259-61 *Urology* (30-30) Hagner
This course consists of lectures, bedside teaching, and section clinics. One hour a week throughout the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)
- 262-64 *Orthopedics* (30-30) Hall
The course includes the etiology, pathology, symptomology, and treatment of congenital and acquired diseases of the bones and joints, and the clinical instruction in the treatment and application of appliances for the correction of deformities. One hour a week throughout the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)
- 265 *Ophthalmology* (24-24) Davis
A lecture course presenting the principles of Ophthalmology, with special reference to topics of importance to the general practitioner. Two hours a week in the first trimester of the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)

267-68 *Otolaryngology* (18-18)

Tibbets

This course comprises lectures and clinical instruction in diseases of the nasal passages, pharynx, larynx, and the ear. One hour a week in the second and third trimesters of the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)

275-77 *Neuro-surgery* (30-30)

Shugrue

This course consists of lectures and clinical instruction in surgery of the brain and nerves. One hour a week throughout the fourth year. (Clinical hours are included in the hour schedule of surgical clinics.)

SCHEDULE OF CLASSES

NOTE.—Course numbers in the following tables refer to the courses of instruction listed on the preceding pages of this book.

SCHEDULE OF CLASSES

FIRST YEAR

FIRST TRIMESTER (TWELVE WEEKS)

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-10	Anatomy 111	Anatomy 111	Anatomy 111	Anatomy 111	Anatomy 111	Military Science 101
10-12	Physiology 111	Biochemistry 101	Physiology 111	Biochemistry 101	Physiology 111	
1-2	Anatomy 121		Anatomy 121		Anatomy 121	
2-5						

SECOND TRIMESTER (TEN WEEKS)

9-10	Anatomy 112	Anatomy 112	Anatomy 112	Anatomy 112	Anatomy 112	Military Science 102
10-12	Physiology 112	Biochemistry 102	Physiology 112	Biochemistry 102	Physiology 112	
1-2	Anatomy 122		Anatomy 122		Anatomy 122	
2-5						

THIRD TRIMESTER (ELEVEN WEEKS)

9-10	Anatomy 113	Anatomy 113	Anatomy 113	Anatomy 113	Anatomy 113	Military Science 103
10-12	Physiology 113	Physiology 113	Physiology 113	Physiology 113	Physiology 113	
1-2	Elective	Elective	Elective	Elective	Elective	
2-5						

SECOND YEAR
FIRST TRIMESTER (TWELVE WEEKS)

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
9-12	Bacteriology 151	Bacteriology 151	Bacteriology 151	Bacteriology 151	Pharmacology 151	Physiology 152
1-2	Pharmacology 161	Anatomy 161	Pharmacology 161	Anatomy 161	Military Science 151	
2-4	Physiology 151, 152		Physiology 152		Physiology 151, 152	
4-5						

SECOND TRIMESTER (TEN WEEKS)

9-12	Pathology 152	Pathology 152	Pathology 152	Pharmacology 152, 162, 174	Biochemistry 152
1-2	Pharmacology 152, 162	Anatomy 172	Pharmacology 152, 162	Military Science 152	
2-4			Bacteriology 154	Bacteriology 154	
4-5					

THIRD TRIMESTER (ELEVEN WEEKS)

9-12	Pathology 153	Pathology 153	Pathology 153	Pathology 153	Biochemistry 153
12-1					
1-2				Military Science 153	
2-3	Pharmacology 163	Medicine 153	Bacteriology 155	Pharmacology 163	Bacteriology 155
3-4					

THIRD YEAR

FIRST TRIMESTER (TWELVE WEEKS)

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Medicine 204	Surgery 221	Medicine 231	Medicine 204	Medicine 231	
9-10	Obstetrics 211	Surgery 201	Gynecology 223	Medicine 247	Obstetrics 211	
10-11		Medicine 204	Surgery 221	Medicine 225	Medicine 204	Bacteriology 201
11-12			Clinics* (Medicine 207 and Surgery 204)			
2-3	Medicine 201				Medicine 201	
3-4		Medicine 249	Military Science 201	Medicine 241		
4-5			Surgery 243	Medicine 245		

SECOND TRIMESTER (TEN WEEKS)

8-9	Medicine 205	Surgery 222		Medicine 205		
9-10	Obstetrics 212	Surgery 202	Gynecology 224		Obstetrics 212	Bacteriology 202
10-11		Medicine 205	Surgery 222	Medicine 226	Medicine 205	
11-12			Clinics* (Medicine 208 and Surgery 205)			
2-3	Medicine 202				Medicine 202	
3-4			Military Science 202	Medicine 242		
4-5				Surgery 233		

* See Student Clinical Schedule No. 1.

THIRD YEAR—continued

THIRD TRIMESTER (ELEVEN WEEKS)

HOURS	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9	Medicine 206	Surgery 223		Medicine 206		
9-10	Obstetrics 213		Gynecology 225		Obstetrics 213	
10-11		Medicine 206	Surgery 223	Medicine 227	Medicine 206	Bacteriology 203
11, 30-2			Clinic* (Medicine 209 and Surgery 206)			
2-3	Medicine 203				Medicine 203	
3-4			Military Science 203			
4-5				Surgery 234		

FOURTH YEAR

FIRST TRIMESTER (TWELVE WEEKS)

8-9		Surgery 265	Gynecology 255		Surgery 265
9-10		Obstetrics 251	Surgery 262		Clinics†
10-11		Surgery 254	Surgery 254		
11-12		Clinics‡	Surgery 275		Surgery 259
12-1	Clinics†		Clinics||		Pathology 261
1, 30-3, 30		Physiology 251			
3-4		Clinics‡	Medicine 261		
4-5			Medicine 271		

- * See Student Clinical Schedule No. 1.
- † See Student Clinical Schedule No. 2.
- ‡ See Student Clinical Schedule No. 3.
- § See Student Clinical Schedule No. 4.
- || See Student Clinical Schedule No. 5.

FOURTH YEAR—continued
SECOND TRIMESTER (TEN WEEKS)

Hours	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9		Surgery 267				
9-10		Obstetrics 252		Surgery 263		
10-11		Surgery 255		Surgery 255		Clinic†
11-12				Surgery 276		
12-1	Clinics*	Clinics‡	Clinics*		Clinics*	Surgery 260
1-30-1-30		Physiology 251		Clinics‡		Pathology 262
3-4		Clinics‡		Medicine 262		
4-5				Medicine 272		

THIRD TRIMESTER (EIGHT WEEKS)

Hours	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
8-9		Surgery 268				
9-10		Obstetrics 253		Surgery 264		Clinic†
10-11		Surgery 256		Surgery 256		
11-12				Surgery 277		Surgery 261
12-1	Clinics*	Clinics‡	Clinics*	Clinics‡	Clinics*	Pathology 263
1-30-1-30		Physiology 251		Medicine 263		
3-4		Clinics‡		Medicine 273		
4-5						

* See Student Clinical Schedule No. 2.
† See Student Clinical Schedule No. 5.
‡ See Student Clinical Schedule No. 3.
§ See Student Clinical Schedule No. 4.

THE RECORD
OF THE SCHOOL OF MEDICINE
1930-31

DEGREES CONFERRED

DOCTOR OF MEDICINE

JUNE 11, 1930

Alfonso Leonard Algozer.....	New York
*James Clement Allison.....	District of Columbia
Donald Cole Barber.....	Ohio
B.F.S. 1926, Georgetown University.....	
*Robert Claibourne Boyden.....	North Dakota
George K. Campbell.....	Missouri
A.B. 1927, The George Washington University.....	
*John Leland Cardwell.....	District of Columbia
Daniel Stephen DeStio.....	Pennsylvania
*William Shambough Detweiler.....	Virginia
William Lloyd Eastlack.....	New Jersey
L. Ora Fox.....	New York
*Luciano Fiore Gentile.....	New York
Stuart Bentley Gibson.....	Pennsylvania
Edgar Deucher Griffin.....	District of Columbia
A.B. 1927, The George Washington University.....	
Benjamin Lewis Jones, jr.....	Pennsylvania
B.S. 1920, University of Pittsburgh.....	
*John Albert Kardys.....	Connecticut
*Max Katz.....	District of Columbia
*Sollic Katzman.....	District of Columbia
Ira Allen Keller.....	New York
B.S. 1923, College of the City of New York.....	
*Fred Robert Kelly.....	Ohio
B.S. 1928, University of Pittsburgh.....	
*Oscar Lavine.....	District of Columbia
*Emanuel Liccese.....	New Jersey
B.S. 1926, New York University.....	
John Bayne Marbury.....	District of Columbia
Joseph Faraday Marinello.....	New York
B.S. 1926, College of the City of New York.....	
Spencer Vincent Meade.....	District of Columbia
A.B. 1927, The George Washington University.....	
Francis Aurelio Merlo.....	New Jersey
B.S. 1927, New York University.....	
*Samuel Morrock.....	New York
John Manly Orem.....	District of Columbia
*Hugo R. Paganelli.....	New York
Howard Pope Parker.....	District of Columbia
*David Edman Quinn, Jr.....	Ohio
B.S. 1924, Allegheny College.....	
*Isadore Rod.....	District of Columbia
A.B. 1927, The George Washington University.....	
Herman Rothman.....	Pennsylvania
B.S. 1928, University of Pittsburgh.....	
Luis Antonio Sanchez.....	Porto Rico
*John James Sculzo.....	New York
William Schneider.....	New York
B.S. 1927, New York University.....	
B.S.M. 1928, University of Kansas.....	
Aaron S. Schwartzman.....	District of Columbia
A.B. 1927, The George Washington University.....	
Alma Jane Speer.....	District of Columbia
A.B. 1913, University of Texas.....	
A.M. 1926, The George Washington University.....	
Bennett A. Stoen.....	Minnesota
*Samuel Lester Tabb.....	District of Columbia
A.B. 1927, The George Washington University.....	
*Frank Joseph Vita.....	New Jersey

* These members have satisfactorily completed the course for the Reserve Officers' Training Corps, as prescribed by the War Department, and will receive their commissions as First Lieutenants of the Medical Reserve Corps

Harry Wallerstein	New York
A.B. 1927, The George Washington University.	
Max Jacob Weinstein	District of Columbia
Joseph C. Weisman	New York
Ph.G. 1924, Columbia University.	
B.S. 1928, University of Missouri.	
Charles B. Wiggerson	New York
B.S. 1925, College of the City of New York.	
Nat Joseph Wilson	Connecticut
A.B. 1926, The George Washington University.	

OCTOBER 15, 1930

Arthur L. Delgrego	Connecticut
Joseph J. Dobkin	District of Columbia
Gaetano Grieco	New York

STUDENTS REGISTERED

1930-31

The names of all students registered in the School of Medicine during the academic year 1930-31 are listed in alphabetical order. The roman numeral following the name of each student indicates the year of the course in which the student is registered.

Students who have withdrawn from the University are indicated by a dagger (†).

Adler, Harry (Med. III)	N.Y.	Bramm, William (Med. I)	Md.
A.B. 1928, The George Washington University.		Brand, Morris (Med. II)	N.Y.
Alcorn, Lemuel Culp (Med. II)	Pa.	A.B. 1920, The George Washington University.	
Alpert, Henry Rowland (Med. III)	N.Y.	Breslow, Samuel (Med. IV)	N.J.
A.B. 1929, The George Washington University.		Breslow, Samuel (Med. II)	N.Y.
Amster, Milton William (Med. III)	N.Y.	Bria, William Francis (Med. II)	Conn.
A.B. 1929, The George Washington University.		Brodin, Louis Andrew (Med. I)	N.J.
Apter, Harry (Med. I)	Conn.	Brookhart, Florence Hearn (Med. I)	Iowa
Ardes, Alberto Diaz (Med. I)	P.R.	Brooks, Solomon (Med. II)	D.C.
B.S. 1935, University of Porto Rico.		A.B. 1929, The George Washington University.	
Aybar, José Angel (Med. IV)	P.R.	Brown, John Lawrence (Med. II)	Calif.
		Burbidge, John Raymond (Med. IV)	Idaho
		B.S. 1924, University of Idaho.	
	Va.	Butler, Henry Lee (Med. I)	Va.
Babvak, Joseph Baker (Med. I)		Calandrella, Ralph (Med. IV)	Conn.
B.S. 1922, West Virginia Wesleyan University.		Calderson, Aureo (Med. III)	P.R.
Bajohr, Albert Joseph (Med. II)	N.Y.	Campbell, Neil Porter (Med. IV)	D.C.
A.B. 1929, Holy Cross College.		Campbell, Bernard (Med. IV)	N.Y.
Baker, Arthur Gorham (Med. III)	D.C.	Campus, Frank Samuel (Med. IV)	N.J.
A.B. 1928, Swarthmore College.		Captro, Frank Samuel (Med. IV)	
Baker, Louis Stanford (Med. I)	N.M.	A.B. 1927, University of Pennsylvania.	
Ball, George Lindsay (Med. III)	Md.	Cardona, Angel A. (Med. IV)	P.R.
Ph.D. 1929, A.B. 1930, The George Washington University.		Caromonte, Ralph (Med. IV)	N.Y.
Balamo, Joseph John (Med. II)	N.J.	Carroll, Charles Troll (Med. IV)	D.C.
B.S. 1930, University of Pittsburgh.		A.B. 1920, The George Washington University.	
Barr, William Carlisle (Med. III)	D.C.	Case, Paul Henry (Med. I)	Ariz.
Bashin, Gus (Med. II)	N.Y.	Casev, Jesse Frank (Med. IV)	N.C.
Bannert, Francis Xavier (Med. I)	N.Y.	A.B. 1925, Guilford College.	
B.S. 1927, Catholic University.		Chase, Albert Scillman (Med. III)	Calif.
Beacher, Abraham I. (Med. III)	N.Y.	A.B. 1928, University of Southern California.	
A.B. 1929, The George Washington University.		Chase, Morris (Med. II)	D.C.
Beam, Vernon Boulter (Med. IV)	Canada	A.B. 1930, The George Washington University.	
Beard, William Henry (Med. II)	D.C.	Clements, William H. (Med. IV)	D.C.
Beavers, Frank William (Med. I)	D.C.	A.B. 1928, The George Washington University.	
A.B. 1930, Williams College.		Cliff, Arthur Edgar (Med. III)	D.C.
Berlesky, Harry Stephen (Med. II)	Ohio	A.B. 1929, The George Washington University.	
A.B. 1929, Cornell University.		Close, Byron Huntington (Med. I)	N.J.
Biondo, Paul M. (Med. III)	Pa.	Coleman, William Ernest (Med. II)	Ky.
Birnberg, William Irving (Med. III)	N.Y.	A.B. 1930, The George Washington University.	
A.B. 1928, The George Washington University.		Conway, James Vincent (Med. I)	N.J.
Blawias, Abe (Med. III)	D.C.	A.B. 1930, Cornell University.	
Blakiston, William Stone (Med. III)	Md.	Conway, William Francis (Med. III)	Ariz.
Blank, Henry Samuel (Med. III)	N.Y.	Cooper, Albert Derwin (Med. IV)	Va.
A.B. 1929, The George Washington University.		Coxey, Merle Irving (Med. I)	N.Y.
Blazina, William Marion (Med. II)	Pa.	Curry, Walter Van Arsdale (Med. II)	D.C.
Boas, Louis Charles (Med. III)	N.Y.	Crain, Darrell C. (Med. III)	D.C.
A.B. 1929, The George Washington University.		Cross, Allen Slayman (Med. I)	Md.
Bohlan, Robert Merton (Med. IV)	D.C.	Crowther, Aloha Hare (Med. IV)	
Boswell, Robert Echo (Med. III)	Ohio	B.S. in Phat. 1927, The George Washington University.	
Boyer, Milton McKendree (Med. IV)	Md.	Cullimore, Leland Keetch (Med. I)	Utah
A.B. 1928, The George Washington University.			

Jacobson, Murray B. (Med. iv) A.B. 1927, The George Washington University.	N.J.	Melich, Edward Idol (Med. iii) A.B. 1929, The George Washington University.	N.J.
Jarvis, James Raymond (Med. iv) A.B. 1927, Ohio State University.	D.C.	Mellon, Wilbur L. (Med. iii) Mendelsohn, Matthew (Med. iii) A.B. 1929, The George Washington University.	Ohio D.C.
Kanof, Naomi Marilyn (Med. i) Kennedy, John Joseph, jr. (Med. iii) Kent, Ann Patrick (Med. ii) A.B. 1930, The George Washington University.	N.Y. N.Y. D.C.	Menham, George Stanley Kemp (Med. ii) B.S. 1926, University of Pittsburgh.	Pa.
Kent, Joseph Edgar (Med. i) B.S. 1918, St. Vincent's College.	Pa.	Meo, Richard Carl (Med. i) Mentis, Felo (Med. iv) A.B. 1928, The George Washington University.	Conn. D.C.
Kolstein, Richard Isaac (Med. i) King, James David (Med. i) Kleuman, Aaron H. (Med. i) A.B. 1930, The George Washington University.	N.Y. China N.Y.	Miles, Verlin Estelle (Med. ii) A.B. 1930, The George Washington University.	Va.
Klein, Milton (Med. iii) A.B. 1928, The George Washington University.	N.Y.	Miller, Beveridge (Med. iv) A.B. 1927, The George Washington University.	D.C.
Klesner, Samuel Franklin (Med. iii) A.B. 1928, Kalamazoo College.	Mich.	Miller, Nathan (Med. ii) A.B. 1930, The George Washington University.	N.J.
Knott, William Luther (Med. i) A.B. 1930, The George Washington University.	D.C.	Miller, Saul Martin (Med. iv) A.B. 1927, Cornell University.	N.Y.
Kolipinski, Louis Xavier (Med. ii) Kosow, Maurice J. (Med. iv) Kramer, Milton (Med. i) Kroll, Max (Med. iii) A.B. 1929, The George Washington University.	D.C. D.C. N.Y. N.Y.	Miller, William Sterling (Med. ii) Minsky, Arthur (Med. i) A.B. 1930, The George Washington University.	Va. N.Y.
Kupershtein, I. Joseph (Med. i)	Pa.	Mira, Anthony Agathon (Med. ii) B.S. 1929, College of the City of New York.	N.Y.
Lafsky, Benjamin Paul (Med. iii) A.B. 1929, The George Washington University.	D.C.	Mish, Kemp Hammond (Med. ii) Mitrani, Jacques Henri (Med. ii) Mohr, Charles Franklin (Med. iv) Mollica, John Joseph (Med. iv) B.S. 1927, Fordham University.	D.C. N.Y. R.I. N.Y.
Latson, Leslie Leonard (Med. i) A.B. 1926, University of Illinois.	Pa.	Morgan, Allan Vincent (Med. ii) B.S. 1926, University of Pittsburgh.	Pa.
Laurie, Andrew Louis (Med. ii) B.S. 1929, Lebanon Valley College.	N.J.	Mulhorn, Willis Henry (Med. iii)	Md.
Leflow, Allen E. (Med. iv) A.B. 1928, The George Washington University.	D.C.	Nelson, George Bailey (Med. iii) B.S. 1929, Washington College.	N.Y.
Lemshewsky, George Paul (Med. i) Levin, Samuel George (Med. ii) A.B. 1929, The George Washington University.	D.C. N.Y.	Nicosia, Joseph John (Med. iv) Nosh, Joseph Cyril (Med. iii) B.S. 1927, Heschberg University.	Newfoundland
Lewis, Elmer Wayne (Med. iv) B.S. 1927, Brigham Young University.	Utah	Noonan, Paul Ecret (Med. i) Norton, Robert Fouché (Med. i)	Pa. Ga.
Lewis, Samuel D. (Med. iv) Lichtman, Abraham Paul (Med. iii) Linton, Frank Truman (Med. i) Lipschitz, Samuel (Med. i)	N.Y. D.C. D.C. N.Y.	Ocheret, Irving (Med. i) Olson, Robert Mortimer (Med. iii) Orben, Lloyd Deering (Med. i) Orlean, Harry (Med. iii) Orris, Harold Julius (Med. i)	N.J. Va. N.Y. D.C. N.J.
Maggio, George Anthony (Med. iv) A.B. 1928, Columbia University.	N.J.	Parker, Katherine Elizabeth (Med. iii) A.B. 1924, Brenau College.	Md.
Mandy, Theodore Edward (Med. i) Marro, Joseph (Med. ii) B.S. 1929, Kenyon College.	D.C. Ohio	Park, Harold Julius (Med. i)	N.J.
Marquez, Francisco A. (Med. iii) A.B. 1929, The George Washington University.	P.R.	Passalacqua, José R. (Med. iii) A.B. 1929, The George Washington University.	P.R.
Martin, Wilbur Wynn (Med. iv) Marrone, Edward Jay (Med. iv) Mastellari, Amadeo Vincente (Med. iv) Mastingly, Richard Vernon (Med. iv) LL.B. 1919; LL.M. 1921; M.P.L. 1921, Georgetown University.	D.C. N.Y. Panama D.C.	Peckham, Henry Lincoln (Med. i) Pensky, Nathan (Med. ii) A.B. 1929, The George Washington University.	D.C. N.Y.
A.B. 1928, The George Washington University.		Pierrepinto, Donato (Med. iv) B.S. 1927, New York University.	N.Y.
McGreevy, Joan Frances (Med. iv) Meja, Raymond (Med. iii)	D.C. D.C.	Pircock, Glenn (Med. i) Pitts, Jack Dixon (Med. i) Price, Lance Charles (Med. ii) Pruett, George (Med. iii) A.B. 1930, The George Washington University.	Utah Ga. Ala. N.Y.
		Purpura, John Anthony (Med. iv)	N.Y.

†Radice, Julius John (Med. I) A.B. 1930, University of Maryland.	D.C.	Silverman, Morris (Med. II) A.B. 1929, The George Washington University.	D.C.
Reeves, Clyde P. (Med. II)	D.C.	Simonton, Kinsey McLeod (Med. II)	Ore.
Reeves, George William (Med. I)	D.C.	A.B. 1930, The George Washington University.	N.J.
Reff, Benjamin F. (Med. II) A.B. 1929, The George Washington University.	N.Y.	Siniscal, Arthur Alfred (Med. IV)	Calif.
Reilley, J. Benedict (Med. II) Ph.G. 1923, Fordham University.	N.Y.	Skelly, John Francis (Med. I)	N.Y.
Richardson, Francis Xavier (Med. II)	D.C.	Slipyan, Alvin (Med. IV)	Md.
Richmeyer, Duane C. (Med. III)	Va.	Smith, Hewitt Wyatt (Med. III) A.B. 1929, The George Washington University.	D.C.
Richwine, Alfred Henry (Med. II)	D.C.	Snyder, Carolyn Hannah (Med. I)	Wash.
Richwine, Barton Winters (Med. I)	D.C.	Snyder, James Leslie (Med. II)	
Rivera, Julio Nazario (Med. I)	P.R.	B.S. 1928; M.S. 1929, University of Washington.	D.C.
Roache, Fred Brinning (Med. I)	Ky.	Solet, Leo (Med. III)	Md.
Robb, Harry Joseph (Med. II) B.S. 1929, University of Pittsburgh.	Pa.	Somers, Charles Irving (Med. II)	S.C.
Robbins, Irving (Med. I) B.S. 1929; M.S. 1930, New York University.	N.Y.	A.B. 1929, St. John's College.	N.J.
Rojas, Eli Samuel (Med. IV)	P.R.	Sox, Carl Caughman (Med. III) B.S. 1929, University of South Carolina.	
Rosenberg, Seymour Joseph (Med. IV)	Calif.	Spritzer, Theodore David (Med. I) B.S. 1929; M.S. 1930, Rutgers University.	D.C.
Rosenfeld, Hyman S. (Med. III) A.B. 1928, The George Washington University.	N.Y.	Steinman, Hyman Erwin (Med. III)	Utah
Ross, Peter William (Med. II)	Pa.	Stevenson, Leland Ernest (Med. I)	D.C.
Royer, Clark Willard (Med. I)	Mich.	Strawbridge, Francis Neilson (Med. III) A.B. 1929, The George Washington University.	
Rude, Gilbert Britt (Med. I)	D.C.	Stubbs, Donald Harrison (Ed., Ph.D.; Med. III) A.B. 1929, The George Washington University.	D.C.
Sanger, Emerson Jacob (Med. I)	Mich.	Suescum, Timothy C. (Med. I)	Ecuador
Scarborough, Dorothy Lee (Med. IV) A.B. 1928, The George Washington University.	Tex.	Sullivan, Norbert P. (Med. I)	N.Y.
Scarborough, Marianne (Med. III)	Tex.	Susan, Frank Augustine (Med. III) B.S. 1930, University of Pittsburgh.	D.C.
Schacht, Clayton M. (Med. II)	Wash.	Suter, James Marion (Med. I) A.B. 1930, The George Washington University.	
Schiff, Harry Bernard (Med. III) A.B. 1929, The George Washington University.	N.Y.	Tanner, Ivins Snow (Med. III)	Utah
Schreiber, Maurice Milton (Med. IV) B.S. 1928, New York University.	N.Y.	Terrell, William Dandridge (Med. I)	Va.
Schubert, Roy Roper (Med. IV)	N.J.	Tiley, George Arthur (Med. I)	Pa.
Seckler, Samuel (Med. IV) B.S. 1926, College of the City of New York.	N.Y.	Toledo, Adalberto Perez (Med. II)	P.R.
M.S. 1927, The George Washington University.		Topperman, Samuel (Med. II)	N.Y.
Segaul, Herman J. (Med. IV) A.B. 1928, The George Washington University.	N.Y.	†Torcasio, Gaspar Michael (Med. I)	D.C.
Selinkoff, J. Jesse (Med. II) A.B. 1929, The George Washington University.	N.Y.	Troché, Carmen (Med. III)	P.R.
Shaffer, Charles Merritt (Med. III) B.S. 1928, Susquehanna University.	Pa.	Trozze, Richard D. (Med. I)	N.Y.
Shaffer, Lester M. (Med. II) B.S. 1925, Susquehanna University.	Pa.	Vartebedian, Leo (Med. IV)	Mass.
Shank, John T. (Med. I)	Ohio	Weber, George S. (Med. IV)	Md.
Sheedy, Leo Patrick (Med. II) B.S. 1929, University of Pittsburgh.	Pa.	Weeks, Norman Ernest (Med. II)	D.C.
Sheinmel, Archie (Med. I)	N.Y.	Weinstein, David Louis (Med. III)	D.C.
†Shore, Robey Davis (Med. I)	N.C.	Weitzman, Harry Samuel (Med. IV)	D.C.
Shreehan, Hubert Francis (Med. I)	N.J.	Weller, Margaret Catherine (Med. I)	Pa.
Shulman, Isidore (Med. I)	D.C.	Williams, Angelo Muollo (Med. III)	Calif.
Shupe, Reed Dalton (Med. II)	Ariz.	Woo, Henry Bischoff (Med. II)	D.C.
Sichi, William T. (Med. IV) A.B. 1930, The George Washington University.	D.C.	Wyman, George Parker (Med. IV) A.B. 1928, Baldwin-Wallace College.	D.C.
		Young, Grace Victoria (Med. I) A.B. 1927, The George Washington University.	D.C.
		Zaidens, Sadie Helene (Med. II)	N.Y.

SUMMARIES OF REGISTRATION

1930-31

NUMBER OF REGISTRATIONS

First year.....	89
Second year.....	72
Third year.....	63
Fourth year.....	71
Total.....	295

GEOGRAPHICAL DISTRIBUTION OF STUDENTS

Alabama.....	2	New Jersey.....	25
Arizona.....	5	New Mexico.....	2
California.....	8	New York.....	73
Canada.....	1	North Carolina.....	2
China.....	1	North Dakota.....	1
Connecticut.....	4	Ohio.....	5
Delaware.....	1	Oregon.....	1
District of Columbia.....	75	Panama.....	1
Ecuador.....	1	Pennsylvania.....	24
Georgia.....	2	Porto Rico.....	12
Idaho.....	3	Rhode Island.....	1
Illinois.....	1	South Carolina.....	1
Indiana.....	1	Texas.....	3
Iowa.....	1	Utah.....	6
Kentucky.....	2	Virginia.....	10
Maryland.....	11	Washington.....	2
Massachusetts.....	1	Wisconsin.....	2
Michigan.....	3	Total.....	295
Newfoundland.....	1		

GRADUATES OF COLLEGES REGISTERED IN THE SCHOOL OF MEDICINE

Alabama Polytechnic Institute.....	1	Georgetown University.....	1
American University.....	1	George Washington University....	77
Baldwin-Wallace College.....	1	Guilford College.....	1
Brenau College.....	1	Heidelberg University.....	1
Brigham Young University.....	1	Holy Cross College.....	1
Bucknell University.....	1	Idaho, University of.....	1
Buena Vista College.....	1	Illinois, University of.....	1
Catholic University of America...	1	Kalamazoo College.....	1
College of the City of New York...	3	Kenyon College.....	1
Columbia University.....	3	Lebanon Valley College.....	1
Cornell University.....	3	Maryland, University of.....	1
Fordham University.....	2	New Mexico, University of.....	1
Franklin and Marshall College.....	1	New York University.....	1

Occidental College.....	1	Stanford University.....	1
Ohio State University.....	1	Susquehanna University.....	2
Pennsylvania, University of.....	3	Swarthmore College.....	1
Pittsburgh, University of.....	6	Washington and Lee University...	2
Porto Rico, University of.....	1	Washington College.....	1
Rutgers University.....	2	Washington, University of.....	2
St. John's College.....	2	West Virginia Wesleyan University	1
St. Thomas' College.....	1	Williams College.....	1
St. Vincent's College.....	1	Total number of colleges.....	44
Southern California, University of.	2	Total number of students....	140

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T H E
G E O R G E
W A S H I N G T O N
U N I V E R S I T Y
B U L L E T I N

T H E S C H O O L O F N U R S I N G

W A S H I N G T O N , D . C .

P U B L I S H E D I N M C M X X X I

B Y T H E U N I V E R S I T Y



DISPENSARY

HOSPITAL

MEDICAL SCHOOL

THE GEORGE WASHINGTON UNIVERSITY

THE GEORGE WASHINGTON UNIVERSITY SCHOOL OF NURSING

OFFICERS OF ADMINISTRATION AND INSTRUCTION

- Cloyd Heck Marvin, Ph.D., LL.D., *President of the University.*
William Cline Borden, M.D., *Dean of the School of Medicine.*
Oscar Benwood Hunter, A.M., M.D., *Assistant Dean in the School of Medicine; Bacteriology and Pathology.*
Joseph Hiram Roe, Ph.D., *Assistant Dean in the School of Medicine; Biochemistry.*
Jason David Byers, *Superintendent of the Hospital.*
Leslie Howson French, M.D., *Physiology.*
William Thornwall Davis, M.D., *Ophthalmology.*
George Nordlinger, M.D., *Gynecology.*
Bernard Notes, M.D., *Obstetrics.*
Custis Lee Hall, M.D., *Orthopedics.*
Charles Berger Campbell, M.D., *Dermatology.*
George Byron Roth, M.D., *Materia Medica.*
E. Osmun Barr, M.D., *Surgery.*
Francis George Speidel, M.D., *Anaesthesia.*
Lyle Millan Mason, M.D., *Veneral Diseases.*
William Binford King, M.D., *Anatomy.*
Frederick August Reuter, M.D., *Urology.*
Jerry Keith Cromer, M.D., *Emergency and First Aid.*
Ella Ida Gibson, R.N., *Gallinger Municipal Hospital, 1927, Superintendent of Nurses.*
Melissa Ervilla Chamberlain, R.N., *The George Washington University Hospital, 1926, Assistant Superintendent of Nurses.*
Lucille C. Brunner, R.N., *The George Washington University Hospital, 1928, Practical Instructor.*
Mary Holden Philbrick, *Instructor in Dietetics.*
Eleanor Morrow Schwinn, R.N., *The George Washington University Hospital, 1926, Operating Room Supervisor.*
Mary Lillian Turner, R.N., *Columbia and Children's Hospital, Washington, D. C., 1910, Obstetrical Supervisor.*

Edna Roberta Sprecher, R.N., The George Washington University Hospital, 1921, *Ward Supervisor*.

Cymbeline Marie Hammell, R.N., The George Washington University Hospital, 1926, *Ward Supervisor*.

Anne L. Reisinger, R.N., Jackson Memorial Hospital, Miami, Fla., 1928, *Ward Supervisor*.

Laura F. Sandres, R.N., The George Washington University Hospital, 1924, *Night Supervisor*.

GENERAL STATEMENT

INTRODUCTORY

The George Washington University Hospital is a general hospital with 110-bed capacity; it is non-sectarian and for white patients only. It is located at 1339 H Street NW., in the central part of the city. Connected with the Hospital is a Dispensary having a large out-patient service, so that the institution affords a thorough and practical experience in medical, surgical, gynecological, obstetrical, and emergency nursing, and in the administrative work incident to a hospital.

The Hospital Staff are all members of the Faculty of Medicine of the University School of Medicine, and the nurses receive the benefit arising from instruction and the nursing of cases under these trained teachers.

Nurses in training in this institution have advantages incident to University association. The classroom and laboratory equipment of the University School of Medicine, which adjoins the Hospital, are used by the student nurses for class work.

THE NURSES' HOME

The Nurses' Home, Parkside Hotel, 1336 I Street NW., with a resident matron, is located a short distance from the Hospital.

BOARD OF LADY MANAGERS

The Hospital and the School of Nursing are materially assisted by an efficient Board of Lady Managers, whose personal interest and financial assistance do much to improve these institutions.

ADMISSION REQUIREMENTS

1. Candidates for admission must present certificates of graduation from accredited high schools or other preparatory schools, or certificates

of advanced standing showing credit for work in an accredited college previously attended.

2. Applicants must be over eighteen and under thirty-five years of age, and must submit evidence of being physically sound and of good moral character.

Certificate blanks will be furnished upon application to the Superintendent of Nurses.

REGISTRATION

Students entering the course will register with the Superintendent of Nurses.

THE DIPLOMA IN NURSING

Upon the satisfactory completion of the requirements of the School of Nursing, a Diploma in Nursing is granted.

REQUIREMENTS FOR THE DIPLOMA

Candidates for the Diploma in Nursing must be not less than twenty-one years of age and of good moral character; they must have satisfactorily completed all required work and have passed all examinations.

CURRICULUM LEADING TO THE DIPLOMA

A three-year course leading to the Diploma in Nursing is offered. Approved applicants will be received on probation for a period of six months, at the end of which time those who appear to be fitted for the nursing profession will be accepted as student nurses. The remainder of the three-year course is devoted to didactic and laboratory instruction and to fundamental professional training in the University Hospital. Special courses in Pediatric Nursing, Eye, Ear, Nose, and Throat Nursing, Mental Nursing, and Public Health Nursing, are included in the third year.

FIRST YEAR

	Hours	Units
Anatomy and Physiology.....	120	5
Bacteriology.....	45	2
General and Applied Chemistry.....	45	2
Personal Hygiene.....	15	1
Elementary Materia Medica.....	15	1
Principles and Practice of Nursing.....	120	5
History and Ethics of Nursing.....	30	2
Elements of Pathology.....	15	1
Dietetics.....	60	3
Materia Medica and Therapeutics.....	30	2
Psychology.....	15	1
Case Study.....	15	1
	26	26

SECOND YEAR

	Hours	Units
Nursing in General Medical Diseases.....	30	2
Nursing in Medical Specialties: Communicable Diseases and Skin.....	30	2
Nursing in General Surgical Diseases.....	30	2
Nursing in General Surgical Specialties: Orthopedics, Gynecology, Urology, and Operating Room Technique	30	2
Pediatric Nursing and Infant Feeding.....	30	2
Modern Social and Health Movements.....	30	2
		<hr/>
	12	12

THIRD YEAR

	Hours	Units
Obstetrical Nursing.....	30	2
Psychiatric Nursing.....	30	2
Nursing in Eye, Ear, Nose, and Throat.....	15	1
Emergency Nursing and First Aid.....	15	1
Survey of the Nursing Fields.....	15	1
Professional Problems.....	15	0
		<hr/>
	7	7

Total number of units..... 45

REMUNERATION

During the probationary period no monetary remuneration is allowed. From the date of acceptance as a student nurse a remuneration of twelve dollars a month is allowed during the course of training.

REGULATIONS

RESIDENCE

While engaged in hospital training all students are required to live in the Nurses' Home, where no charge is made for room, board, and laundry. All baggage must be sent to the Nurses' Home.

UNIFORMS

All students when admitted to the School of Nursing must provide themselves with a complete uniform outfit, as prescribed by the Superintendent of Nurses.

ATTENDANCE

Absence from duty on account of illness in excess of three weeks during the course must be made up. When a student nurse is absent, for any cause, for more than six weeks, she will forfeit her position in the School but may enter the succeeding class if approved by the

Executive Committee. No payment will be made for time lost by illness.

Two hours are allowed on week days for rest, study, and recreation, and also one-half day (after 1 p.m.) each week and one-half day on Sunday.

Student nurses will be allowed a vacation of two weeks for each year of training, including the probationary period.

CONDUCT AND RECORD OF STUDENTS

Student nurses may be dropped at any time for inefficiency, misconduct, unsatisfactory record, or whenever, in the interest of the student nurse or of the School, the Executive Committee of the School of Nursing deems it advisable to do so.

UNIVERSITY REGULATIONS

Students in the School of Nursing are students in The George Washington University and as such may be subject to the University regulations as stated beginning on page 65 of the University Catalogue (1930 edition).

MEDICAL ATTENTION

In case of illness all students in the School of Nursing will receive medical attention and care in the Hospital when necessary.

STUDENT ADVISORY COUNCIL OF THE SCHOOL OF NURSING

An advisory council consisting of three student nurses is established in the School.

The purpose of this council is to develop a closer cooperation between the nurses' student body, the Faculty of the School, and the administrative authorities of the Hospital; to aid in the enforcement of discipline and to secure strict conformity to the rules of the School; to devise ways and means for social activities; and to encourage higher ideals.

For further information apply to the Superintendent of Nurses, The George Washington University Hospital, 1339 H Street NW., Washington, D. C.